Pioneer

Enter a world of fascination.

The thrill of the original.

Each sound, each image, each performance is an original. At Pioneer, we are driven by a deep dedication to that unique experience. For more than 70 years we have been creating sound systems that reproduce the thrill of the original – in all its dimensions, in striking clarity, detail and richness. True to this tradition, Pioneer audiovisual systems use cutting-edge technology to match their exhilarating sound with images in breathtaking sharpness and purity.

We are committed to placing all these dimensions of hearing, seeing and feeling right at your fingertips. Our leading expertise in audio excellence shows in each of our products – systems that bring your favourite music and multimedia entertainment to life just as the original artists intended. Internet-based content, radio or TV, sounds and images on Blu-ray discs, DVDs or SACDs, CDs, MP3 players, USB storage devices and even your iPod and iPhone – we bring it all into your home with components that are a joy to operate. And a thrill to use.

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Your senses at centre stage.

Love at first sound.

Pioneer AV receivers are a clear expression of passion for audio excellence. They are designed and built with just one purpose in mind: to deliver all the power and precision of our highly advanced Blu-ray, DVD and CD players – and entertainment from a broad spectrum of other sources – to your ears and eyes. All models except the VSX-420 are HD Audio capable, to bring sound to life in all its dimensions, and come equipped with our specially developed Precision Quartz Lock System (PQLS). They also feature Pioneers Phase Control technology, which ensures that all sound waves arrive at the listening position in phase. For an accurate speaker set-up the Multi-Channel Acoustic Calibration System (MCACC), a technology that uses the same functionality as a professional sound stage, brings outstanding audio precision into your entertainment environment.

The top-of-the-line Pioneer AV receivers SC-LX83 and SC-LX73 are fitted with Direct Energy HD Amplifiers and have even undergone exacting tuning for accuracy and purity at the highly respected AIR Studios in London.

Picture perfect.

Visual media sources can vary in quality. Our high standards remain the same. The more advanced Pioneer AV receivers are engineered to upscale images. Building on Pioneer's long experience in sophisticated video processing, they deliver noise-free images with richer colours and greater detail. For new-generation 3D entertainment, all our AV receivers that feature AV repeater functionality can handle 3D over HDMI via integrated HDMI 1.4a interfaces. That means you can enjoy the thrill of three-dimensional broadcasts, films or gaming applications up to 1080p.

AV RECEIVERS

Have it all.

With today's wide and expanding array of audio and visual content sources, it's hard to choose. Pioneer's answer: don't choose – enjoy them all. That's why our AV receiver line-up features more input options than ever. Many models let you play content stored on mobile devices like your iPod or iPhone via a special USB cable, which is included as standard in the box. A *Bluetooth*® wireless adapter, included with the top models and available as an option in others, makes audio streaming more convenient. From the VSX-920 upward, all models feature internet radio. The SC-LX83 is even DLNA certified for network functionality.

Easy operation.

Our AV receivers are not only a source of great entertainment – they are also a joy to operate. Their graphical user interface (GUI) is exceptionally clear and intuitive, while control with HDMI functionality lets you operate both the receiver and the connected TV with one remote.

The top models feature Radio Frequency Remote Control (RF Remote) compatibility for even more convenient operation. In contrast to a conventional infrared interface, an RF Remote requires no optical contact with the receiver. That means with a Pioneer RF Remote control unit – included with the SC-LX83 and optional with other AV receivers – you can operate your system from anywhere in the room.

But your options don't end there: iControlAV enables you to control your Pioneer AV receiver from the screen of your iPod touch or iPhone.

SC-LX90

Our most powerful and advanced amplifier yet: the SC-LX90 reproduces high definition sound worth a standing ovation. Incorporating a unique Direct Energy HD Amplifiers, developed together with ICEpower, the amplifier delivers solid drive capability that can realise truly simultaneous multi-channel total power output of 1400 W over 10 channels.

SC-LX83

Internet Radio

Bluetooth®

THX ULTRA 2 PLUS SURROUND EX

dlna CERTIFIED

Premium 1080p ready multi-channel AV Receiver with vTuner internet radio.

Made for iPod iPhone

Direct Energy HD Amplifiers, built on ICEpower Class D technology.

Tuned at AIR Studios. 7-ch/190 W. HDMI V.1.4a with 3D, ARC (6 in/2 out).

RS-232C. PQLS Bit-stream. Full Band Phase Control.

Advanced Sound Retriever/Sound Retriever AIR. DLNA 1.5.

iPod/iPhone Digital Connection via USB. iControlAV ready. RF Remote (included).

Bluetooth® ready (AS-BT100 adapter included). THX Ultra2 Plus.

Multi Zone (3 Zone).

SC-LX73

Internet Radio

Bluetooth®

THX SELECT 2 PLUS SURROUND EX

Premium 1080p ready multi-channel AV Receiver with preset internet radio.

Made for iPod iPhone

Direct Energy HD Amplifiers, built on ICEpower Class D technology.

Tuned at AIR Studios. 7-ch/180 W. HDMI V.1.4a with 3D, ARC (6 in/2 out).

RS-232C. PQLS Multi Surround. Phase Control. Advanced Sound Retriever/ Sound Retriever AIR. iPod/iPhone Digital Connection via USB. iControlAV ready. RF Remote ready. *Bluetooth®* ready (AS-BT100 adapter included). THX Select2 Plus. Multi Zone (3 Zone).

High-def Amplifier.
Developed in collaboration with ICEpower, the Direct Energy HD Amplifier is the only Class D amplifier certified by THX, which produces high simultaneous and equal drive to each channel. The result is truly outstanding multi-channel high power, fidelity and efficiency.

Jitterless sound.
Precision Quartz Lock System (PQLS) effectively minimises jitter, resulting in stereo and multi-channel sound of striking brilliance. New-generation PQLS technology (in the SC-LX83) now supports bit-stream transmissions as well as PCM.

Distortion-free audio.
To ensure that all sound frequencies arrive at the listening position simultaneously, Pioneer has developed Phase Control. It corrects the phases, effectively preventing distortion and colouring. Full Band Phase Control, featured in the SC-LX83, takes the technology even further and also compensates for group delay in the speaker's internal crossover network.

Remote control from anywhere.
Radio Frequency (RF) Remote is a significant improvement over infrared remote controls. With the CU-RF100 you can position your compatible AV receiver anywhere in the room – even in a closed cabinet.

Automatic acoustic tuning.

No two listening environments are alike. Pioneer's Multi-Channel Acoustic Calibration System (MCACC) analyses the room and automatically adjusts the speakers output to balance out any room-induced acoustic inaccuracies.

Enhanced compressed audio.

*Advanced Sound Retriever technology enhances compressed sound data to elevate formats like MP3 to breathtaking richness and detail. For **Bluetooth®** streaming, Sound Retriever AIR restores audio pressure and density and suppresses noise caused by the transmission, resulting in high quality audio.*

The full iPod and iPhone experience.

The iPod Digital transmission via USB enables you to listen to the music collection stored on your iPod or iPhone in lossless, digitally optimised quality. A separate cable also lets you view still or moving images and enhance your listening experience with original album art and music videos.

VSX-LX53

Internet Radio

Bluetooth®

THX SELECT 2 PLUS SURROUND EX

Made for iPod iPhone

Premium 1080p ready multi-channel AV Receiver with preset internet radio.

7-ch/150 W. HDMI V.1.4a with 3D, ARC (6 in/2 out). RS-232C. PQLS Multi Surround. Phase Control. Advanced Sound Retriever/Sound Retriever AIR. iPod/iPhone Digital Transmission via USB. iControlAV ready. RF Remote ready. *Bluetooth®* ready (AS-BT100 adapter included). THX Select2 Plus. Multi Zone (3 Zone – Zone 3 analogue audio only).

VSX-2020

Internet Radio

THX SELECT 2 PLUS SURROUND EX

Made for iPod iPhone

Premium 1080p ready multi-channel AV Receiver with preset internet radio. 7-ch/150 W. HDMI V.1.4a with 3D, ARC (6 in/2 out). RS-232C. PQLS Multi Surround. Phase Control. Advanced Sound Retriever/Sound Retriever AIR. iPod/iPhone Digital Transmission via USB. iControlAV ready. RF Remote ready. *Bluetooth®* ready (requires AS-BT100 adapter). THX Select2 Plus. Multi Zone (3 Zone – Zone 3 analogue audio only).

VSX-1025

Internet Radio

DOLBY TRUE HD PRO LOGIC IIz

1080p ready multi-channel AV Receiver with preset internet radio.

Made for **iPod** **iPhone**

7-ch/140 W. HDMI V.1.4a with 3D (6 in/1 out). PQLS (2-ch audio). Phase Control. Advanced Sound Retriever/Sound Retriever AIR. iPod/iPhone Digital Connection via USB. iControlAV ready. *Bluetooth*® ready (requires AS-BT100 adapter). Multi Zone (2 Zone).

VSX-1020

Internet Radio

DOLBY TRUE HD PRO LOGIC IIz

1080p ready multi-channel AV Receiver with preset internet radio.

Made for **iPod** **iPhone**

7-ch/140 W. HDMI V.1.4a with 3D (6 in/1 out). PQLS (2-ch audio). Phase Control. Advanced Sound Retriever/Sound Retriever AIR. iPod/iPhone Digital Connection via USB. iControlAV ready. *Bluetooth*® ready (requires AS-BT100 adapter). Multi Zone (2 Zone).

VSX-920

Internet Radio

DOLBY TRUE HD PRO LOGIC IIz

1080p ready multi-channel AV Receiver with preset internet radio.

Made for **iPod** **iPhone**

7-ch/140 W. HDMI V.1.4a with 3D (4 in/1 out). PQLS (2-ch audio). Phase Control. Advanced Sound Retriever/Sound Retriever AIR. iPod/iPhone Digital Connection via USB. iControlAV ready. *Bluetooth*® ready (requires AS-BT100 adapter). Multi Zone (Zone 2 audio only).

Control from your iPhone.
With Pioneer's free iControlAV application, available from the App Store, you can control the main functions of your compatible Pioneer receiver with an iPod touch or iPhone. Operation is intuitive and convenient.

Internet radio entertainment.
All AV receivers from the VSX-920 on up support internet radio, a vast and growing source of audio entertainment and information. The top model SC-LX83 uses vTuner portal for access, while the other models come with 24 preset stations and easy personalisation options.

Bluetooth® wireless connectivity.
The SC-LX83, SC-LX73 and VSX-LX53 come with the AS-BT100 *Bluetooth*® adapter, for easy wireless audio streaming from a compatible device. All other models except for the VSX-420 are *Bluetooth*® ready and can be fitted with the *Bluetooth*® adapter optionally.

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More speaker setup options.

This year's AV receiver line-up opens up more speaker configuration possibilities than ever: Pioneer soundscape technologies allow you to adjust your system to get the most out of your speakers in various setups. Wide Surround provides spacious audio from front speakers and Wide Surround Movie creates a motion sensation in front, while Wide Surround Music offers an expansive sound field.

3D sound, 360° listening.

Dolby Pro Logic IIz surround sound processing expands the 360° listening experience. Ideal for new-generation 3D movies and gaming applications, it creates a sense of height as well as depth.

Perfection in a package.

For home cinema fans looking for an ideal receiver-speaker combination, the special home theatre package HTP-100 is the answer. Get more information on page 23.

VSX-820

Multi-channel AV Receiver with AM/FM Tuner.

5-ch/130 W. HDMI V.1.4a with 3D (4 in/1 out).

Phase Control. Advanced Sound Retriever. iPod/iPhone Digital Connection via USB. *Bluetooth*® ready (requires AS-BT100 adapter).

Dolby Pro Logic IIz. OSD. Auto MCACC. Auto Level Control.

Front Stage Surround Advance. Also available in silver[2].

Made for
iPod iPhone

VSX-520

Multi-channel AV Receiver with AM/FM Tuner.

5-ch/130 W. HDMI V.1.4a with 3D (3 in/1 out).

Phase Control. Advanced Sound Retriever.

Bluetooth® ready (requires AS-BT100 adapter). Dolby Pro Logic IIz.

Auto MCACC. Auto Level Control. Front Stage Surround Advance.

Also available in silver[2].

VSX-420

Multi-channel AV Receiver with AM/FM Tuner.

5-ch/130 W. HDMI switching (2 in/1 out). Phase Control.

Advanced Sound Retriever. Multi Zone (2 Zone). Auto Level Control.

Front Stage Surround Advance. Also available in silver[2].

Ready for new dimensions.

New Pioneer AV receivers are equipped to open the door to the next dimension of audiovisual entertainment for you: with the exception of the VSX-420, all models are 3D capable. Their new-generation HDMI V.1.4a technology supports the 3D-specific command protocol, enabling you to enjoy the breathtaking new visual effects in 3D films, broadcasting and gaming applications on your 3D compliant display or TV.

AV Amplifier	Power	HDMI In / Out	DLNA	iPod digital	THX Ultra2 Plus
SC-LX90	10-ch / 270 W	6 / 2	•	•	•

AV Receivers	Power	HDMI In / Out	iControlAV	*Bluetooth*® ready	Internet Radio
SC-LX83	7-ch / 190 W	6 / 2	ready	BT adapter[1] included	• (vTuner)
SC-LX73	7-ch / 180 W	6 / 2	ready	BT adapter[1] included	• (preset)
VSX-LX53	7-ch / 150 W	6 / 2	ready	BT adapter[1] included	• (preset)
VSX-2020	7-ch / 150 W	6 / 2	ready	BT adapter[1] optional	• (preset)
VSX-1025	7-ch / 140 W	6 / 1	ready	BT adapter[1] optional	• (preset)
VSX-1020	7-ch / 140 W	6 / 1	ready	BT adapter[1] optional	• (preset)
VSX-920	7-ch / 140 W	4 / 1	ready	BT adapter[1] optional	• (preset)
VSX-820	5-ch / 130 W	4 / 1	—	BT adapter[1] optional	—
VSX-520	5-ch / 130 W	3 / 1	—	BT adapter[1] optional	—
VSX-420	5-ch / 130 W	2 / 1	—	—	—

[1] *Bluetooth*® adapter = AS-BT100

[2] Silver models are not available in the UK.
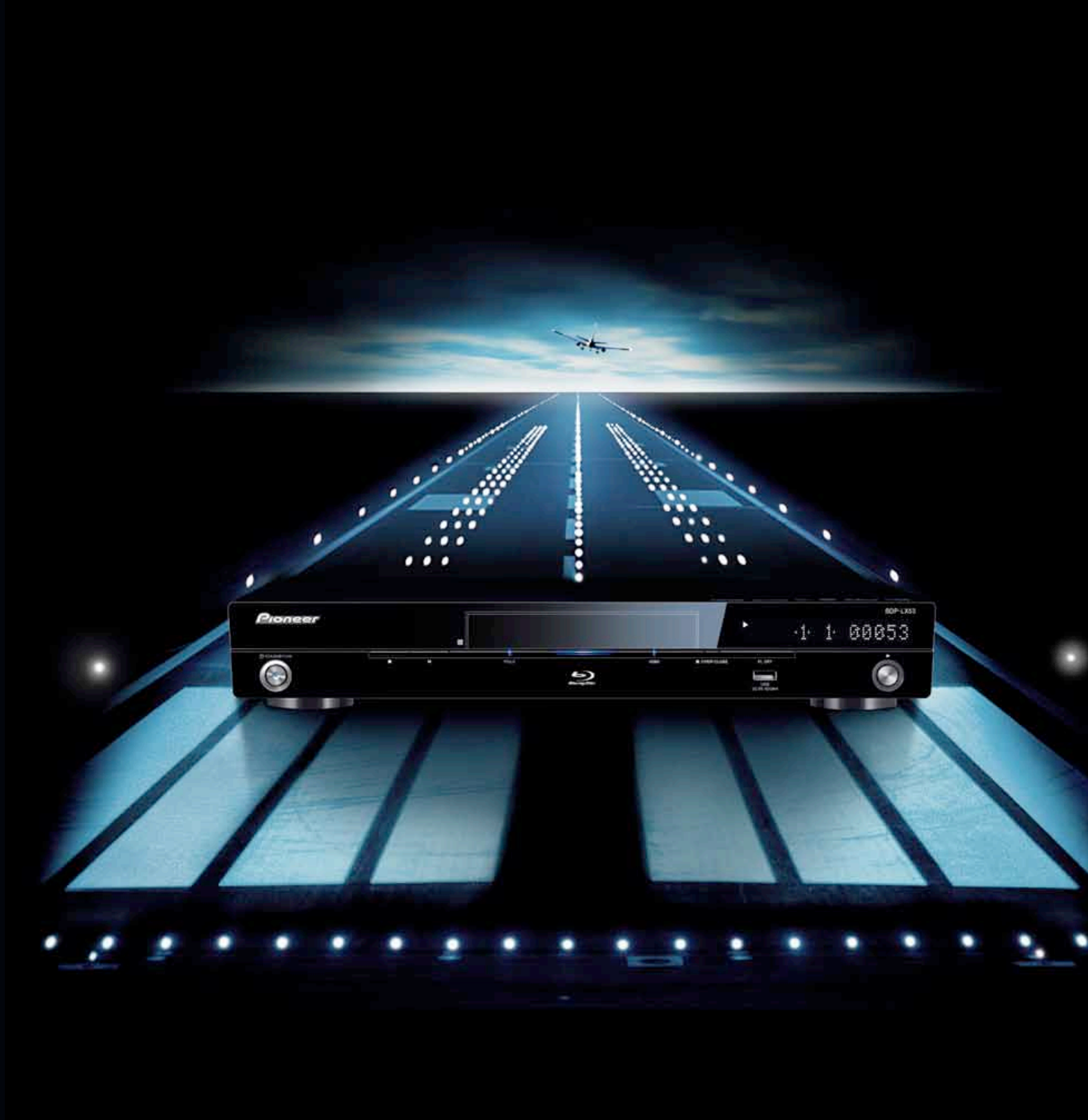
Set out for new horizons.

The sound of excellence.

True to their Pioneer heritage, our Blu-ray Disc players are built using the most advanced audio technology available. Their HD audio decoders, combined with Precision Quartz Lock System (PQLS), create immersive soundscapes of gripping intensity and accuracy. The third generation of Pioneer's PQLS technology not only virtually eliminates jitter, but now also processes bit-stream audio transmissions. And as they support the formats Dolby TrueHD and dts-HD Master Audio Essential, they deliver the full scope of today's high-definition technology.

Put your network to work.

There is much more to today's total viewing experience than playing movies stored on discs. New-generation Pioneer Blu-ray Disc players can be connected to the internet by cable or wireless with an optional USB wireless LAN dongle – enjoy bonus material and interactive options via BD-Live or use your Pioneer Blu-ray Disc player to view web-based content from YouTube. Via the Intelligent Network Update functionality, you are automatically notified of the latest available firmware, letting you conveniently keep your home entertainment system up to date.

Take control.

A large-format graphical user interface and the exceptionally straightforward control with HDMI functionality let you operate your player directly on the viewing monitor – no need to leave your seat. To ensure that you get the most out of every format, Pioneer DVD players support video scaling technology to enhance DVD movies.

BLU-RAY DISC PLAYERS
DVD PLAYERS

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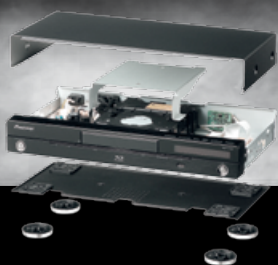
Built for stability.
The BDP-LX53 is built according to the Armoured Chassis Concept, which uses a special layered construction along with stabilisers, insulators and shock absorbers to achieve maximum inertia and prevent vibrations.

Jitterless audio.
The Pioneer technology Precision Quartz Lock System (PQLS) virtually eliminates jitter in stereo or multi-channel sound transmissions for exceptionally precise audio. New-generation PQLS also supports bit-stream transmissions in addition to PCM.

Wireless LAN.
With the optional wireless LAN adapter AS-WL100, you can connect the new-generation Blu-ray Disc player BDP-LX53 and BDP-330 to your home network.

Use your iPhone as a remote.
Download the free iControlAV application from the App Store and use your iPod touch or iPhone to access the main functions of your Pioneer Blu-ray Disc player. Intuitive graphics appearing on the iPod touch or iPhone's touchscreen allow easy adjustments and operation of your player.

Available on the **App Store**

BDP-LX53
Premium Blu-ray Disc Player.
1080/24p. 36-bit Deep Colour.
148.5 MHz/12-bit Video D/A Converter.
PQLS Bit-stream with HDMI.
Wireless LAN ready (requires Wireless LAN dongle AS-WL100).
Intelligent Network Update. iControlAV ready.
Network function (YouTube/BD-Live).
High grade audio parts. Armoured chassis.

BDP-330
Blu-ray Disc Player.
1080/24p. 36-bit Deep Colour.
148.5 MHz/12-bit Video D/A Converter.
PQLS Bit-stream with HDMI.
Wireless LAN ready (requires Wireless LAN dongle AS-WL100).
Intelligent Network Update. iControlAV ready.
Network function (YouTube/BD-Live).

BDP-LX91

The BDP-LX91 is your source of pure moving pictures and living sound precisely as the director intended. This fine piece of technology guarantees impeccable quality, not just for Blu-ray discs, but also for CD and DVD content. Constructed out of solid aluminium, with dedicated audio and video boards and gold-plated terminals, the BDP-LX91 is the cinephile's choice of Blu-ray Disc player.

Stunning 3D.

Our full 3D capable Blu-ray Disc player BDP-LX54 and BDP-430 are also available.
For more information please check out www.pioneer.eu or visit your local Pioneer dealer.

Blu-ray Disc Players	Profile	Deep Colour	HDMI terminal	iControlAV	Wireless LAN
BDP-LX91	BD-Live	48-bit	2 (goldplated)	—	—
BDP-LX53	BD-Live	36-bit	1 (goldplated)	ready	ready [1]
BDP-330	BD-Live	36-bit	1	ready	ready [1]

Get all the facts:

www.pioneer.eu/bluray | www.pioneer.co.uk/bluray

or visit your Pioneer dealer

[1] With optional AS-WL100 adapter.

Plug in and record your music.
An interoperable recording functionality allows CD-to-USB ripping. Chosen CD tracks can be converted to MP3 format in the selected quality and recorded to a USB storage device. Ripping speeds of up to 2.5x are possible.

Restored compressed sound.
To compensate for the loss of audio data through storage in compressed formats like MP3, Advanced Sound Retriever technology intelligently restores sound files to a level of depth and brilliance that comes as close as possible to the original.

Support of digital sound formats.
Dolby Digital and DTS deliver thrilling, cinema-quality sound that makes home viewing more intense than ever.

Upscaled image quality.
Pioneer DVD players with HDMI support 1080p scaling, a technology that converts and enhances various DVD formats and delivers them in stunning HDMI output.

Open-minded.

The expanding scope of audiovisual entertainment formats offers a world of possibilities – and Pioneer wants to open up that world to you. Our DVD players are designed for many more media than discs. They support a wide range of audio, still and moving image formats, including DivX, Windows Media Audio, MP3 and JPEG.

DV-610AV[1]

Slim 1080p DVD-Audio/Video/SACD Player.

108 MHz/12-bit Video D/A Converter. CD → USB ripping (MP3).

DivX Ultra/JPEG/MP3/WMA/MPEG-4 AAC/WMV playback.

DSD output through HDMI. High Resolution JPEG output.

Front USB terminal. Virtual Surround Sound. Also available in silver.

DV-420V

Slim 1080p DVD Player.

108 MHz/12-bit Video D/A Converter. CD → USB ripping (MP3).

DivX/JPEG/MP3/WMA/MPEG-4 AAC/WMV playback.

High Resolution JPEG output. Control with HDMI. Front USB terminal.

Virtual Surround Sound. Sound Retriever. Also available in silver.

DV-320[1]

Slim DVD Player.

108 MHz/12-bit Video D/A Converter. CD → USB ripping (MP3).

DivX/JPEG/MP3/WMA/MPEG-4 AAC playback.

Front USB terminal. Virtual Surround Sound. Sound Retriever.

Also available in silver.

[1] Not available in the UK.
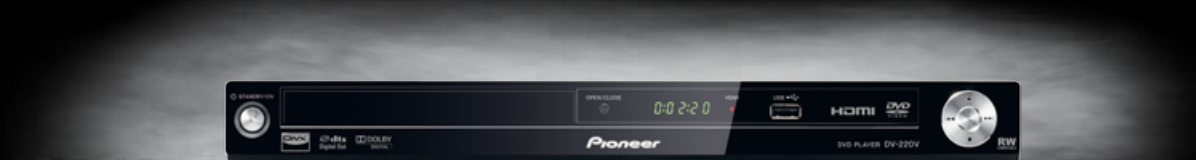
DV-220V

Compact 1080p DVD Player.

108 MHz/12-bit Video D/A Converter. CD → USB ripping (MP3).

DivX/JPEG/MP3/WMA playback.

High Resolution JPEG output. Front USB terminal.

Virtual Surround Sound. Sound Retriever. Control with HDMI.

DV-120

Compact DVD Player.

108 MHz/12-bit Video D/A Converter. CD → USB ripping (MP3).

DivX/JPEG/MP3/WMA playback. Front USB terminal.

Virtual Surround Sound. Sound Retriever.

DVD Players	HDMI	Sound Retriever	CD → USB Ripping (MP3)	Front USB
DV-610AV[1]	1080p upscaling	—	•	•
DV-420V	1080p upscaling	•	•	•
DV-320[1]	—	•	•	•
DV-220V	1080p upscaling	•	•	•
DV-120	—	•	•	•

Get all the facts:

www.pioneer.eu/dvdplayer | www.pioneer.co.uk/dvdplayer

or visit your Pioneer dealer

Monumental performance.

In tune with your senses.

Perfect home cinema is all about harmony. Like the instruments of an orchestra, each component of the system must be precisely attuned to all the others. As a leader in audio technology, Pioneer uses its expertise in achieving balance and synchronicity to create perfectly coordinated systems. Your benefit: grippingly real, immersive cinema experiences. All Pioneer Blu-ray home cinema systems are equipped to show your Blu-ray films at their original cadence of 24 frames per second – for original cinema screenings just as the director intended. With integrated 1080p Video Converters, our home cinema systems can even upscale DVD movies to breathtaking brilliance.

Open to your interests.

But Blu-ray discs and DVDs are just the beginning of today's content sources. Our audiovisual entertainment systems are open to a full range of options, like CD and MP3 playback, DivX films. The Blu-ray solutions even offer network-streaming via DLNA-certified connectivity. And with easy iPod and iPhone integration as well as *Bluetooth*® wireless audio streaming, your Pioneer Blu-ray home cinema system is your source of 360° entertainment.

HOME CINEMA SYSTEMS

Web-based extras.

To give you the full Blu-ray entertainment experience, the interactive option BD-Live allows direct access to web-based bonus material, additional subtitles and even online gaming and chat sessions with other movie fans (actual features depend on the disc).

Certified network capacity.

Pioneer Blu-ray home cinema systems are certified for network capability by the Digital Living Network Alliance (DLNA), ensuring easy access to content on a compliant network-integrated PC or server.

Wireless connectivity.

Music streaming via Bluetooth® wireless technology is standard in our new Blu-ray systems. Audio content on A2DP* Bluetooth® wireless technology enabled devices can be played conveniently.

* see backcover

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BCS-707

5.1-channel Blu-ray Disc Home Cinema System. Peak Power Total 1100 W. 1080/24p.

1080p upscaler. DLNA. BD-Live. USB. iPod/iPhone (iPod cradle included). *Bluetooth®* technology. FM Tuner. CD → USB ripping (MP3). Loudness. Slim Subwoofer/Centre speaker. Tallboy speakers.

Made for
iPod iPhone

BCS-303

5.1-channel Blu-ray Disc Home Cinema System. Peak Power Total 1100 W. 1080/24p.

1080p upscaler. DLNA. BD-Live. USB. iPod/iPhone (iPod cradle included). *Bluetooth®* technology. FM Tuner. CD → USB ripping (MP3). Loudness. Slim Subwoofer/Centre speaker. Satellite speakers.

Made for
iPod iPhone

Seamless iPod/iPhone interface.
Our Blu-ray systems are certified supporting iPod and iPhone out of the box – the designated cradle is included and you can enjoy iPod video playback via the Pioneer audiovisual system.

High-def audio.
Integrated decoders for the most advanced HD Audio formats, including Dolby TrueHD and DTS-HD Master Audio Essential, enable the Blu-ray system to deliver sound to match the breathtaking depth and richness of High Definition images.

BCS-FS505

Made for **iPod** **iPhone**

2.1-channel Blu-ray Disc Home Cinema System.
Peak Power Total 560 W. 1080/24p.
1080p upscaler. DLNA. BD-Live. USB. iPod/iPhone (iPod cradle included).
Bluetooth® technology. FM Tuner. CD → USB ripping (MP3). Loudness.
Slim Subwoofer/Slim Front speakers.

HTB-520

A perfect match: the special combination package HTB-520 offers the VSX-520-K AV receiver along with the BDP-333 Blu-ray Disc player, ideally paired, high-performance components to form the heart of your home cinema system.

Slim subwoofer.
Our new Blu-ray Disc Home Cinema System subwoofer features a slim and elegant cabinet design.

Plug and play.
With a USB interface, Pioneer DVD home cinema systems offer fast, versatile and trouble-free access to audio and video content on USB sticks.

The entire spectrum.
The DVD systems support a wide range of audio and visual formats including MP3 and WMA music files, DivX movies or JPGs from USB or discs. With each format the systems are designed to achieve optimum quality.

Easy ripping.
An MP3 encoder allows quick and easy ripping of CDs to a USB storage device. Audio data can be recorded at double the playing speed.

DCS-404K

USB
HDMI
DIVX

5.1-channel DVD Player Home Cinema System.

Peak Power Total 300 W. HDMI. 1080p upscaler.

USB. DivX. FM Tuner. CD → USB ripping (MP3). Karaoke.

Front Stereo Mini-Jack input. Four Tallboy speakers.

DCS-202K

USB
HDMI
DIVX

5.1-channel DVD Player Home Cinema System.

Peak Power Total 300 W. HDMI. 1080p upscaler.

USB. DivX. FM Tuner. CD → USB ripping (MP3). Karaoke.

Front Stereo Mini-Jack input. Satellite speakers.

DCS-FS303K

USB

HDMI

DIVX

2.1-channel DVD Player Home Cinema System.

Peak Power Total 165 W. HDMI. 1080p upscaler.

USB. DivX. FM Tuner. CD → USB ripping (MP3). Karaoke.

Front Stereo Mini-Jack input. Slim Front speakers.

HTP-100

HDMI

Auto Level Control

A winning combination: the special home theatre package HTP-100 includes the VSX-420-K AV receiver along with the S-HS100 surround speaker system – an ideal combination of signal processing and audio delivery excellence.

High-def multimedia.
All Pioneer home cinema systems feature High Definition Multimedia Interface (HDMI) data transfer. HDMI ensures nothing is lost in audio and video playback.

Contemporary design.
All Pioneer home cinema systems are designed to fit beautifully into today's living rooms. Characterised by high-quality materials, contemporary lines and subtle, elegant finishes, the components harmonise with and enhance your interior decoration.

3D GAME MOVIE BROADCAST

DOLBY TRUE HD

MCACC

HDMI

HTP-610

5.1-channel Subwoofer Receiver System.
HDMI V.1.4a with 3D (3 in/1 out). FM Tuner.
Advanced Sound Retriever. 5.1-channel High Power Amplifier (100 W x 6).
iPod/iPhone Digital Connection via USB. Phase Control. Auto Level Control.
MCACC. Dual Centre speaker. Four Satellite speakers.

Made for iPod iPhone

HTP-SB300

Slim, stylish, powerful: The HTP-SB300 home cinema speaker system is specifically designed to complement 32 to 37-inch flat screen TVs. The system provides a power output of 250 Watts and enables you to enjoy 3.1 channel surround sound simply by installing the long, slim main unit. To make setup more convenient than ever, the subwoofer receives its audio signals wirelessly.

3D GAME MOVIE BROADCAST

DOLBY TRUE HD

MCACC

HDMI

HTP-FS510 [1]

2.1-channel Subwoofer Receiver System.
HDMI V.1.4a with 3D (3 in/1 out). FM Tuner.
Advanced Sound Retriever.
5.1-channel ready High Power Amplifier (100 W x 6 [2]).
iPod/iPhone Digital Connection via USB.
Slim Front speakers.

Made for iPod iPhone

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3D GAME MOVIE BROADCAST

DOLBY TRUE HD

MCACC

HDMI

HTP-SB510

3.1-channel Subwoofer Receiver System.
HDMI V.1.4a with 3D (3 in/1 out). FM Tuner.
Advanced Sound Retriever.
5.1-channel High Power Amplifier (100 W x 6 [3]).
iPod/iPhone Digital Connection via USB. Phase Control.
Auto Level Control. MCACC. Bar-style Front speaker*.

Made for iPod iPhone

* Product picture not final.
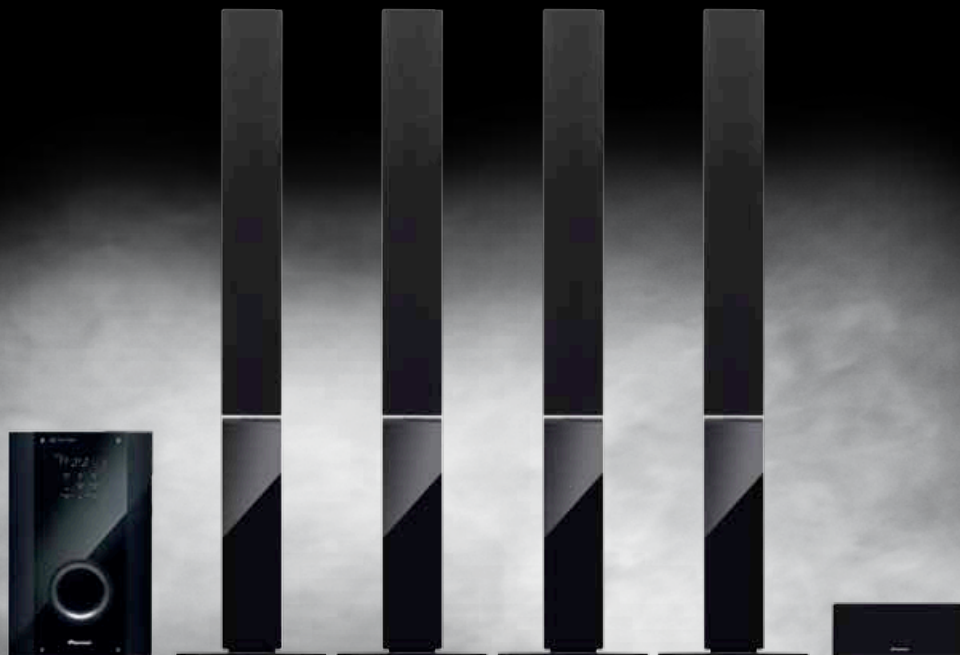
HTP-710[1]

5.1-channel Subwoofer Receiver System.
HDMI V.1.4a with 3D (3 in/1 out). FM Tuner.
Advanced Sound Retriever. 5.1-channel High Power Amplifier (100 W x 6).
iPod/iPhone Digital Connection via USB. Phase Control. Auto Level Control.
MCACC. Centre speaker. Four Tallboy speakers.

Made for
iPod **iPhone**

Home Cinema Systems	Power	HDMI	*Bluetooth*® technology	iPod/iPhone
BCS-707	1100 W (Peak)	— / 1 out	•	•
BCS-303	1100 W (Peak)	— / 1 out	•	•
BCS-FS505	570 W (Peak)	— / 1 out	•	•
DCS-404K	300 W (Peak)	— / 1 out	—	—
DCS-202K	300 W (Peak)	— / 1 out	—	—
DCS-FS303K	165 W (Peak)	— / 1 out	—	—
HTP-SB300	250 W (RMS)	2 in / 1 out	—	—
HTP-710[1]	600 W (Peak)	3 in / 1 out	—	•
HTP-610	600 W (Peak)	3 in / 1 out	—	•
HTP-FS510[1]	300 W (Peak)[2]	3 in / 1 out	—	•
HTP-SB510	400 W (Peak)[3]	3 in / 1 out	—	•
HTB-520	650 W (RMS)	3 in / 1 out	ready[4]	—
HTP-100	750 W (RMS)	2 in / 1 out	—	—

Get all the facts:

www.pioneer.eu/homecinema | www.pioneer.co.uk/homecinema

or visit your Pioneer dealer

[1] Not available in the UK.
[2] 600 W to build up 5.1ch system with optional Dual Centre speaker and Surround speaker set: S-SWR5CR
[3] 600 W to build up 5.1ch system with optional Surround speaker set: S-SB5R
[4] Requires *Bluetooth*® adapter AS-BT100.

Instruments of excellence.

Sound proof.

Uncompromising engineering, design and craftsmanship – the Pioneer G-Clef Series lives up to the standards you demand for the music you love. Because G-Clef amplifiers and Super Audio CD players are built to meet the exacting professional standards of the internationally respected AIR Studios in London, you can count on them to perform in perfect harmony. The quality seal of the legendary centre of audio expertise is proof not only of extraordinary engineering, but also of exceptional craftsmanship and carefully selected electronic components.

Stereo excellence.

There is no substitute for brilliant stereo of exquisite sound quality and accuracy. The sought-after open sound and ultra-quick responsiveness that bring every detail of recorded music to life can only be achieved in components developed with stereo excellence in mind. Our G-Clef Series meet these demands, with extremely short signal paths as well as substantial power and stability in all components. But along with audio excellence, Pioneer components also offer versatility: the PDX-Z9 Super Audio CD receiver features full network capability, while the compact X-HM50 2-channel CD receiver system is equipped with a Digital Direct Connection for your iPod or iPhone, a USB interface and integrated FM tuner.

AUDIO COMPONENTS
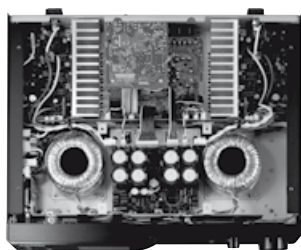
Perfect symmetry.
The amplifiers' Twin Mono Symmetrical Construction prevents signal interference by separating the left and right channels, which results in pure sound with an extensive sound field. The Direct Construction allows the shortest and simplest design paths – from input to output, circuit block by circuit block.

Precise nuances.
Pioneer's Legato Link Pro Conversion system uses psychoacoustic signal processing to restore missing subtle dynamics and recreate the shading and detail of the original performance.

Purist styling.
G-Clef Series components are not only engineered for pure excellence in stereo sound, they are also designed and crafted for aesthetic purity. Their sleek and elegant cabinets feature a silk-soft hairline finish black aluminium front panel and blue LCD display.

A-A9MK2
Integrated Amplifier. 70 W + 70 W (20 – 20,000 Hz, 4 Ω).
Aluminium front and side panels. Metal feet.
Quick Response Power Supply Circuit. Dual Mono Symmetrical Construction.
Rigid Underbase Construction. Twin Toroidal Transformer. Phono EQ MM/MC.
Audio Input: CD/Phono/Tape/AUX/Tuner/USB (for PC).

PD-D9MK2
Super Audio CD Player. Sampling Rate Converter.
Aluminium front, top and side panels. Quick Response Power Supply Circuit.
Wolfson Twin D/A Converters (192 kHz/24-bit).
High Accuracy System & Audio Master Clock.
Legato Link Conversion Pro & Hi-bit.
Rigid Underbase Construction & Stainless steel CD mechanism.
TAOC feet. Pure Audio Mode. Media: CD/SACD/CD-R/CD-RW/MP3/WMA.

F-F6MK2
DAB/FM/AM Tuner. Aluminium front panel.
High-Performance D/A Converters (192 kHz/24-bit).
200 Stations (100 DAB, 100 FM/AM).
Group presets. RDS with radio text.

A-A6MK2

Integrated Amplifier. 60 W + 60 W (20 – 20,000 Hz, 4 Ω).

Aluminium front panel. Quick Response Power Supply Circuit.

Dual Mono Symmetrical Construction.

Phono EQ MM. Audio Input: CD/Phono/Tape/AUX/Tuner.

PD-D6MK2

Super Audio CD Player.

Aluminium front panel. Quick Response Power Supply Circuit.

Burr-Brown Twin D/A Converters (192 kHz/24-bit).

High Accuracy System Master Clock.

Legato Link Conversion Pro & Hi-bit. Pure Audio Mode.

Media: CD/SACD/CD-R/CD-RW/MP3/WMA.

F-F3MK2 [1]

FM/AM Tuner. Aluminium front panel.

100 Stations, Group presets.

RDS with radio text.

Detailed audio.

Whatever your favourite music genre, you want to hear every detail. G-Clef amplifiers and Super Audio CD players are equipped with non-feedback power supply circuits and low Equivalent Series Resistance (ESR) capacitors with Schottky barrier diodes for exceptionally clean and detailed sound.

Take control.

The redesigned remote control units that come with each G-Clef amplifier, Super Audio CD player and tuner feature high-quality aluminium housings and cross-device functionality. That means you can access basic controls of the player and tuner from the amplifier's remote, and control the power and volume of the amplifier from the player's and tuner's remote.

[1] Not available in the UK.

Multisource receiver.
The DLNA certified PDX-Z9 Super Audio CD receiver brings it all together: Super Audio CD and CD playback, terrestrial AM/FM and internet radio reception as well as access to entertainment in a wide range of formats. You can even enjoy content stored on your computer, iPod or USB device.

PDX-Z9 [1]

Super Audio CD Receiver.

50 W + 50 W (4 Ω). Aluminium top panel.

Full dot white OEL display. Touch sensor buttons.

FM/AM Tuner. Internet radio. DLNA certified.

USB terminal. iPod terminal. Advanced Sound Retriever.

Plays:
- from disc: CD/SACD/CD-R/CD-RW/MP3/WMA
- from USB/via Network: MP3/MPEG-4 AAC/WMA/FLAC/WAV

Made for iPod

Big sound, small format.
The small size stereo CD receiver X-HM50 delivers outstanding performance and versatility. It is not only equipped with a Digital Direct Connection for your iPod or iPhone, but also features a USB interface and integrated FM tuner. With 50 Watts of output per channel, it is the ideal solution for music lovers looking for a lot of power and brilliant sound in a small package.

X-HM50

CD Receiver System.

50 W + 50 W (4 Ω).

iPod Digital Direct Connection, iPod Video out, charging and control with remote control. Aluminium front panel & Aluminium volume knob.

Continental Model: AM + FM (with RDS) Tuner (available in silver and black).

UK Model: DAB + FM (with RDS) Tuner (available only in black).

Plays:
- from disc: CD/CD-R/CD-RW/MP3/WMA
- from USB: MP3/WMA

Made for iPod iPhone

Amplifiers	AIR Studios Sound Tuning	Power	Transformer	USB	Sound Retriever
A-A9MK2	•	70 W + 70 W	Toroidal	•	•
A-A6MK2	•	60 W + 60 W	Standard	—	—

Super Audio CD Players	AIR Studios Sound Tuning	Twin D/A Converters	Hi-bit Conversion	Legato Link PRO	Pure Audio mode
PD-D9MK2	•	Wolfson	•	•	•
PD-D6MK2	•	Burr-Brown	•	•	•

Tuners	DAB Tuner	D/A Converter	RDS	Presets	Group presets
F-F6MK2	•	•	•	200 (DAB/FM/AM)	•
F-F3MK2 [1]	—	—	•	100 (FM/AM)	•

Super Audio CD Receiver	AIR Studios Sound Tuning	Power	Display	Internet Radio Station Memory	DLNA certified
PDX-Z9 [1]	•	50 W + 50 W	Full dot white OEL	30	•

CD Receiver System	iPod	Power	RDS	CD/USB Playback	D/A Converter
X-HM50	Digital, Top Dock	50 W + 50 W	•	•	16-bit

Get all the facts:

www.pioneer.eu/audio-components | www.pioneer.co.uk/audio-components

or visit your Pioneer dealer

[1] Not available in the UK.

Solid from the ground up.

Sound without borders.

As the final link in the sound-reproduction process, the speaker deserves very special attention. To make sure the full sonic power and precision of your Pioneer system reaches your ears, your equipment must be paired with perfectly matched speakers. From classic stereo to multi-channel surround sound, Pioneer offers a range of speaker systems as varied and rich as the music and cinema experiences they are designed to create.

Our passion for audio excellence is nowhere more clear than in our EX Series of Reference Speakers. Engineered according to the highest standards of audio technology and constructed using the most advanced materials and internal components available, EX Series speakers produce audio experiences strikingly close to live sound.

Proven performance.

These highly responsive and powerful instruments are tuned and certified by the internationally acclaimed temple of sound, AIR Studios in London. The EX Series speakers owe their superlative performance and accuracy in part to Coherent Source Transducer (CST) technology – an exclusive TAD (Technical Audio Devices) solution that places the tweeters concentrically within the cones of the midrange units for extraordinary coherency that is free of colouration. In addition, the drivers in all ranges are constructed using highly advanced materials, resulting in exceptional accuracy from deep basses to scintillating high notes.

SPEAKERS

Solid construction.

Pioneer's unique speaker architecture and construction result in drivers of unsurpassed coherence and accuracy. With cabinet wall thicknesses of up to 100 millimetres, our EX Series speakers deliver totally stable, vibration-free sound.

Advanced materials.

EX Series tweeter drivers are equipped with Beryllium or Ceramic Graphite diaphragms for extreme accuracy up to 100 kHz. Magnesium cones in the midrange units and Aramid/ Carbon cones in the woofers result in creating fast and dynamic tones.

Professional standards.

The EX Series was developed in cooperation with TAD (Technical Audio Devices), a Pioneer brand specialising in professional speakers, established in 1975. TAD monitor speakers are used in many famous recording studios and concert halls around the world.

S-1EX

Reference Floor-standing Speaker.

3-way. 200 W. Concentric arrangement of tweeter and midrange drivers. Beryllium tweeter dome.

Magnesium midrange cone.

High-linearity woofers with neodymium magnets.

Faithful multi-channel audio.

Phase Control minimises sound delays, usually due to the filtering process of multi-channel recordings, by managing the time and phase response of the speakers. In combination with our AV receivers, Pioneer speakers supporting Phase Control – EX, series 8, 7, 3 and all powered subwoofers – reproduce multi-channel audio which is strikingly faithful to the original.

Sophisticated audio engineering.
The distinctive shape of EX Series Precision Curve speakers aligns the drivers along a 3-metre radius and ensures that all sounds reach the listener's ears at precisely the same time.

S-2EX

Reference Bookshelf Speaker.

3-way. 200 W. Concentric arrangement of tweeter and midrange drivers. Beryllium tweeter dome.

Magnesium midrange cone.

High-linearity woofer with neodymium magnet.

CP-2EX
Stand for S-2EX

S-7EX

Reference Centre Speaker.

3-way. 200 W. Concentric arrangement of tweeter and midrange drivers. Beryllium tweeter dome.

Magnesium midrange cone.

High-linearity woofers with neodymium magnets.

CP-7EX
Stand for S-7EX and S-8EX

CP-4EX
Stand for S-4EX

The EX Series Speakers are available in high-gloss real beech (QL) or satin dark teak veneer (W).

Series 8 Speakers.
Featuring concentric drivers, high-linearity woofers and intelligently engineered cabinets, Series 8 speakers clearly share the DNA of our EX Series. The result is a sound experience of exceptional accuracy and focus.

The Series 8 Speakers are available in real whitewashed ash veneer (QL) or high-gloss black (K).

The S-81B-LR Bookshelf Speaker is also available in real walnut veneer (W).

S-4EX
Reference Bookshelf Speaker.
3-way. 160 W.
Concentric arrangement of tweeter and midrange drivers.
Ceramic Graphite tweeter dome.
Magnesium midrange cone.
High-linearity woofer.

S-3EX
Reference Floor-standing Speaker.
3-way. 160 W. Concentric arrangement of tweeter and midrange drivers.
Ceramic Graphite tweeter dome.
Magnesium midrange cone.
High-linearity woofers.

S-8EX
Reference Centre Speaker.
3-way. 160 W. Concentric arrangement of tweeter and midrange drivers.
Ceramic Graphite tweeter dome.
Magnesium midrange cone.
High-linearity woofers.

S-81B-LR-K/QL/W with CP-81B(-K/MK)
2-way Bookshelf Speaker.
Concentric arrangement of tweeter and woofer drivers. Titanium tweeter dome.
Aramid woofer cone. High-linearity woofer.
Magnetic grille.

S-81-K/QL
4-way Floor-standing Speaker.
Super-tweeter. Concentric arrangement of tweeter and midrange drivers.
Titanium tweeter dome.
Aramid midrange cone. High-linearity woofers. Magnetic grille.

S-81C-K/QL
3-way Centre Speaker.
Concentric arrangement of tweeter and midrange drivers. Titanium tweeter dome.
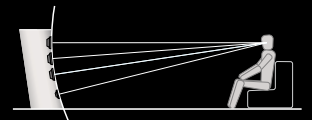Aramid midrange cone.
High-linearity woofers. Magnetic grille.

S-W250S(-W)

Active Subwoofer.
30 cm cone woofer and
30 cm cone passive radiator.
Separated 250 W RMS digital amplifier.

S-LX70W / S-81W-MK

Active Subwoofer.
High-linearity 30 cm cone woofer.
Closed box. 300 W RMS digital amplifier.
Available in high-gloss black (S-LX70W) or
matt black (S-81W-MK).

S-71W

Active Subwoofer
with 25 cm cone woofer.
Bass-reflex cabinet.
160 W RMS amplifier.
Available in matt black finish.

S-51W

Active Subwoofer
with 20 cm cone woofer.
Bass-reflex cabinet.
150 W RMS amplifier.

S-21W

Active Subwoofer
with 16 cm cone woofer.
Bass-reflex cabinet.
100 W RMS amplifier.

EX Series Speakers	Impedance	Frequency Range	Maximum Power
S-1EX-QL/W	6 Ω	28 – 100,000 Hz	200 W
S-2EX-QL/W	6 Ω	34 – 100,000 Hz	200 W
S-7EX-QL/W	6 Ω	34 – 100,000 Hz	200 W
S-3EX-QL/W	6 Ω	30 – 100,000 Hz	160 W
S-4EX-QL/W	6 Ω	34 – 100,000 Hz	160 W
S-8EX-QL/W	6 Ω	34 – 100,000 Hz	160 W

Series 8 Speakers	Impedance	Frequency Range	Maximum Power
S-81-K/QL	6 Ω	30 – 100,000 Hz	130 W
S-81B-LR-K/QL/W	6 Ω	40 – 50,000 Hz	130 W
S-81C-K/QL	6 Ω	40 – 50,000 Hz	130 W

Subwoofer	Driver	Frequency Range	Power Handling
S-W250S(-W)	30 cm cone	23 – 1,000 Hz	250 W RMS
S-LX70W / S-81W-MK	30 cm cone	25 – 4,000 Hz	300 W RMS
S-71W	25 cm cone	26 – 1,000 Hz	160 W RMS
S-51W	20 cm cone	26 – 900 Hz	150 W RMS
S-21W	16 cm cone	33 – 700 Hz	100 W RMS

*Our international designers
and engineers – the same
specialists responsible for
our EX and Series 8
speakers – have pooled their
expertise to bring you the
Series 7 speaker range: a
perfect balance between
exclusive styling and
acoustic performance.*

Series 3 Speakers.
*Developed and constructed
with the same passion for
performance and
uncompromising quality as
their more exclusive
brothers, the slim Series 3
speakers deliver precise
sound reproduction that
stands out in their class.*

*The Series 3 Speakers are
available in a light (QL) or
black wood (K) finish.*

S-71K

3-way Floor-standing Speaker. Aramid woofer cones.
Downfiring bass-reflex port. Concentric arrangement of tweeter and
midrange drivers. Titanium tweeter dome. Aramid midrange cone.
High-linearity woofers. Flush surface design. Removable driver grilles.

S-71B-LR-K with CP-71B

2-way Bookshelf Speaker. Concentric arrangement of tweeter and
woofer drivers. Titanium tweeter dome. Aramid woofer cone.
High-linearity woofer. Flush surface design. Removable driver grilles.

S-71C-K

2-way Centre Speaker. Concentric arrangement of tweeter and
woofer drivers. Titanium tweeter dome. Aramid woofer cone.
High-linearity woofer. Flush surface design. Removable driver grilles.

S-31-LR-K/QL

2-way Floor-standing Speaker, with glass-fibre woofer cones
and soft dome tweeter. Downfiring bass-reflex port.
Flush surface design. Removable driver grilles.

S-31B-LR-K/QL with CP-31B

2-way Bookshelf Speaker, with glass-fibre woofer cone and soft
dome tweeter. Flush surface design. Removable driver grilles.

S-31C-K/QL

2-way Centre Speaker, with glass-fibre woofer cones and soft
dome tweeter. Flush surface design. Removable driver grilles.

S-ES3TB

5.0 Speaker Set.
3-way Floor-standing Speaker with large woofer and passive
radiator. 1-way Bookshelf Speaker. 1-way Centre Speaker.
Phase Control Design.

Vintage oak cabinets.

The S-A4SPT Pure Malt Series speakers feature cabinets crafted in solid oak from 100-year-old whisky barrels. This aged wood is extremely hard and inert, and makes each set of speakers a pure original – like the fine single malts the barrels were once used to produce.

S-A4SPT-PM

2-way Stereo System. Soft dome tweeter.
Aramid fibre woofer cone.
Ultra-rigid speaker cabinet made from
100-year-old white oak whisky barrels.
Dark green grille included.

S-A4SPT-VP

2-way Stereo System. Soft dome tweeter.
Cellulose pulp woofer cone.
Ultra-rigid speaker cabinet made from
100-year-old white oak whisky barrels.
Grilles included: dark red and dark green.

Series 7 Speakers	Impedance	Frequency Range	Maximum Power
S-71-K	6 Ω	33 – 50,000 Hz	130 W
S-71B-LR-K	6 Ω	43 – 50,000 Hz	130 W
S-71C-K	6 Ω	43 – 50,000 Hz	130 W

Series 3 Speakers	Impedance	Frequency Range	Maximum Power
S-31-LR-K/QL	6 Ω	38 – 40,000 Hz	120 W
S-31B-LR-K/QL	6 Ω	50 – 40,000 Hz	120 W
S-31C-K/QL	6 Ω	50 – 40,000 Hz	120 W

Pure Malt Speakers	Impedance	Frequency Range	Maximum Power
S-A4SPT-PM	6 Ω	60 – 40,000 Hz	100 W
S-A4SPT-VP	6 Ω	50 – 40,000 Hz	100 W

Speaker Set	Impedance	Frequency Range	Maximum Power
S-ES3TB	8 Ω	40 – 30,000 Hz	660 W

Get all the facts:

www.pioneer.eu/speakers | www.pioneer.co.uk/speakers

or visit your Pioneer dealer

Personalise your options.

The beat of life.

Different genres, different styles, different cultures – music is as varied as the people who create it and enjoy it. Yet all forms of music share the same DNA: rhythm is the foundation of every musical expression. And the beat of the heart is the primal source of rhythm. KODO, the Japanese word for heartbeat, is the name of the Pioneer line of speaker systems for iPod and iPhone. Designed in synch with the beat of life, the compact KODO systems offer the audio excellence of Pioneer coupled with seamless, trouble-free iPod and iPhone integration.

Fit for performance.

Each of the systems is equipped with an iPod/iPhone docking station – dual docking stations in the case of the XW-NAC3 and XW-NAC1. Powerful digital amplifiers guarantee full and rich sound, while Advanced Sound Retriever technology enhances your digital music collection. Depending on the model and optional equipment, you can also access your device via Bluetooth music streaming or even listen to internet radio. The XW-NAV1 AV system also offers CD playback and DVD viewing on your compatible TV. It all adds up to a world of entertainment options – and enables you to get more than ever out of your iPod and iPhone.

kodo

digital speaker systems
for ipod

kodo

What colour is your music?

No stage could be better for your iPod and iPhone to show what they can do: the XW-NAS5 and XW-NAS3 are powerful speaker systems that bring your digital music to life in a fascinating design. With the overwhelming basses of the downfiring subwoofer and precise, distortion-free high notes, your music unfolds in all colours of the sound spectrum.

iPhone compatibility.

All new Pioneer iPod speaker systems are designed for perfect integration of your iPhone as well as your iPod. Functionalities depend on the model you choose.

Pure digital sound.

The iPod Digital Direct Connection on the XW-NAS5 and XW-NAS3 picks up your audio files and transfers them to the system precisely as they are stored on your device – no intermediate digital-to-analogue conversion steps. The result: purest possible digital sound quality

XW-NAS5

Digital Speaker System for iPod with FM radio and alarm clock.

Made for iPod and iPhone [1]. 6 preloaded Soundscapes.

Bluetooth® ready (requires AS-BT100 adapter). Advanced Sound Retriever.

Auto Level Control. LED clock with snooze, wake-up and sleep function.

2-way speakers. 10 cm down-firing subwoofer.

Component and composite Video out.

Available in 4 colours: black, white, silver and red.

XW-NAS3 [2]

The XW-NAS3, available in white, is a pure iPod and iPhone specialist. Like the top-of-the-line XW-NAS5, it offers clear, rich and nuanced sound in a compact format and contemporary design.

Auto Level Control

Made for iPod iPhone

[1] Only recent production models are certified. Please look for the logo on the packaging.

[2] Not available in the UK.

Outstanding sound never looked better.

iPod/iPhone integration and Pioneer audio excellence in a compact, up-to-date package: each of our distinctively designed solutions features intelligent functionalities and advanced technology for pure, clear and powerful sound.

The colourful world of music.

The beautifully styled XW-NAS5 is available in a choice of four metallic-finish colours, while its purist counterpart the XW-NAS3 comes in white only. Whichever model you choose, it will set the tone in any room of your house.

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kodo

Internet options.
The XW-NAC3 is DLNA certified for network compatibility. Connect it via its LAN interface to a home network with internet access and enjoy internet radio and music files stored on your compliant PC or server.

Wireless connectivity.
Integrated wireless Bluetooth® interfaces in the XW-NAC1 and XW-NAC3 allow you to streaming audio files conveniently from A2DP Bluetooth® enabled devices. Sound Retriever AIR technology, specially developed to improve the quality of files compressed for Bluetooth® transmission, restores sound pressure and density, while reducing transmission noise.

Enhanced video.
The XW-NAV1 audiovisual system features an HDMI port and 1080p upscaling technology to show DVD movies in greater levels of detail on a compatible TV. A composite video output on the rear side of the system allows viewing of videos stored on – or streamed through – your iPod.

Multiple formats via USB.
The XW-NAV1 is equipped with a USB port for easy playback of WMA/MP3 music files, JPEG photos and DivX videos from a USB memory device. CD-to-USB ripping allows easy ripping of CD tracks directly to a USB storage device – no intermediate PC necessary.

Double docking, double entertainment.

Equipped with two docking stations for two iPods or iPhones, the XW-NAC3 and XW-NAC1 offer an array of playback options. The "SHUFFLE²" function intelligently mixes content from both devices for continuous playback with smooth transitions. In Hi-Lite Scan mode, the systems play twenty seconds from each track, for a quick overview of the collections.

EISA AWARD
Best Product 2010-2011
SOUND STATION
Pioneer XW-NAC3

XW-NAC3

Dual Digital Speaker System for iPod.
Made for iPod and iPhone. USB. DLNA 1.5.
Internet radio (vTuner). Integrated *Bluetooth®* wireless interface.
"SHUFFLE²" function. Hi-Lite Scan. Auto Level Control. LCD Display.
Sound Retriever AIR. Composite Video out. Full Range speakers.
Available in black, white and red.

Made for
iPod iPhone

XW-NAC1

With an integrated *Bluetooth®* wireless interface, shuffle function, Hi-Lite Scan and Sound Retriever AIR, the XW-NAC1 Dual Speaker System for iPod delivers the same full stereo listening pleasure as its network-capable counterpart, the XW-NAC3.

*

XW-NAW1

Slim Speaker System for iPod.
Made for iPod and iPhone.
2-way speaker with neodymium tweetermagnet.
Touch sensitive control.
2-way setting (Wall mount, Desk top).
Component Video Out.

Made for
iPod iPhone

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All you want rolled into one.

If you don't want to miss a thing, the XW-NAV1 AV system is the perfect choice. It not only looks great and harmonises with every style, it also opens up a world of entertainment options: on the one hand it's a DVD player, on the other hand it's a multimedia machine that fulfils virtually every wish – from iPod and iPhone compatibility to FM radio and USB connectivity.

XW-NAV1

AV System for iPod.

CD/DVD. FM Tuner. CD ➡ USB ripping (MP3).

USB/CD/DVD (WMA/MP3/JPEG/DivX) digital file playback.

1080p HDMI for DVD. Made for iPod and iPhone. LED Display.

Composite Video out. Bass Reflex with passive radiator.

Available in black and white.

Made for
iPod iPhone

Speaker Systems for iPod	Power	AMP	*Bluetooth*®	Internet Radio
XW-NAS5	15 + 15 W Front L/R, 30 W RMS Subwoofer	2.1ch digital	ready¹	—
XW-NAS3	15 + 15 W Front L/R, 30 W RMS Subwoofer	2.1ch digital	ready¹	—
XW-NAC3	10 + 10 W RMS	2ch digital	•	•
XW-NAC1	10 + 10 W RMS	2ch digital	•	—
XW-NAV1	10 + 10 W RMS	2ch digital	—	—
XW-NAW1	15 + 15 W RMS	2ch digital	—	—

Get all the facts:

www.pioneer.eu/kodo | www.pioneer.co.uk/kodo

or visit your Pioneer dealer

¹ Requires *Bluetooth*® adapter AS-BT100.

Other entertainment products.

Pioneer audio and visual entertainment equipment is as expandable as your tastes and needs. With an array of additional products – from stereo amplifies to fully automatic stereo turntables – we enable you to personalise your setup.

A-307R

Integrated Amplifier – 80 W x 2 (DIN)

A-209R

Integrated Amplifier – 60 W x 2 (DIN)

A-109R

Integrated Amplifier – 40 W x 2 (DIN)

CT-W208R

Double Cassette Deck

PD-M426

Multi CD Player – 6 CDs

PD-M406

Multi CD Player – 6 CDs

PL-990

Full Automatic Stereo Turntable

S-V610-III [1]

5.1 Set with 2-way solid aluminium
floor-standing & satellite speakers and
150 W active subwoofer.

S-V60-III [1]

Compact 5.1 Set with 2-way solid aluminium
satellite speakers and 150 W active subwoofer.

CS-7070
3-way Stereo Speaker Set

CS-5070
3-way Stereo Speaker Set

CS-3070
3-way Stereo Speaker Set

CP-ST100 [1]
Aluminium design Floor Stand

A WORLD OF AUDIO EXCELLENCE.

Welcome to the Pioneer world, a world full of unforgettable acoustic experiences. Our commitment to great sound goes far beyond home entertainment. As an international leader in DJ equipment, we put professional audio technology into headphones of all shapes and sizes. Our expertise in car entertainment also makes us the system provider of choice when it comes to meeting the highest listening standards on the road.

SE-M285TV

SE-M390

SE-A1000

For your ears only.

We offer a complete selection of high-quality headphones in various levels of power for diverse applications. All share the Pioneer DNA of excellence in audio reproduction, along with exceptional comfort and refined styling. Late-night movies, music sessions or gaming applications – whatever your personal listening needs, we have the right solution. So you won't miss a single sound, nuance or detail.

SE-CL23

SE-CL24

SE-CL33

IT'S ALL FOR YOU
PIONEER INTOUCH 2010

For more information and the complete headphones line-up:
See the Pioneer InTouch brochure (available online or from an authorised dealer) or visit us on our homepage.

Leading on the road.

Forward-looking products and technologically sophisticated systems from Pioneer make car travel more convenient and entertaining than ever. With solutions like NavGate navigation and entertainment systems, AV tuners, digital media receivers, speakers, subwoofers and amplifiers on board, reaching your destination is easy – and getting there is half the fun.

AVIC-F920BT

REVEAL YOUR TRUE NATURE
2010 CAR ENTERTAINMENT GUIDE

For more information:
Download the Pioneer Car Entertainment Guide or visit your local Pioneer dealer.

Pioneer **DJ**

CDJ-2000

Pioneer DJ networks.
Enter the fastest growing DJ mix platform on the web at www.letsmix.com or visit our Vlog at www.djsounds.com

No. 1 on the dance floor.

All over the world, professionals who love music and love to get people moving agree: Pioneer is the brand of choice for equipment to keep dance floors full. Our extensive DJ line-up has all you need for first-class performance – from DVD/CD decks and players, mixers and audio/video mixers to effectors, DJ software, headphones and cases.

AV Amplifier/Receivers

	SC-LX90	SC-LX83
POWER OUTPUT	1 kHz, 0.05 % THD, 6 Ω	1 kHz, 1 % THD, 6 Ω
Front	270 W + 270 W	190 W + 190 W
Centre	270 W	190 W
Surround (A)	270 W + 270 W	190 W + 190 W
Surround Back (Front height / wide)	270 W + 270 W	190 W + 190 W
Surround (B)	270 W + 270 W	—
FOR DIRECT ENERGY HD AMPLIFIER MODELS		
Simultaneous	1,400 W (20–20,000 Hz, 0.05 % THD, 8 Ω)	770 W (1 kHz, 1 % THD, 8 Ω)
TOTAL HARMONIC DISTORTION		
8 Ω, 20–20,000 Hz	0.05 % (200 W + 200 W)	0.05 % (130 W + 130 W)
AMPLIFIER DESIGN		
Channels	10-ch	7-ch
Power Amplifier Design	Direct Energy HD (ICEpower)	Direct Energy HD (ICEpower)
SOUND FIELD CALIBRATION FEATURES		
Advanced MCACC / EQ Band	• / 9-Band (advanced)	• / 9-Band (advanced)
Phase Control	• (Full Band)	• (Full Band)
Standing Wave Control / X-Curve / Symmetric EQ	• / • / •	• / • / •
Precision Distance	•	•
Step of Distance Adjustment	0.01 m	0.01 m
MCACC Memory	6	6
DSP DESIGN		
Digital Core Engine	2x 3rd Generation SHARC[1]-Processor + Freescale	Freescale + Texas Instruments Aureus™ (TMS320DA787)
Transmission	32-bit	32-bit
DAC / ADC	192 kHz/24-bit	192 kHz/32-bit / 192 kHz/24-bit
DSP FEATURES (License or Format)		
Dolby Digital / Dolby Digital EX	• / •	• / •
Dolby Digital Plus / Dolby TrueHD	• / •	• / •
Dolby Pro Logic II / Dolby Pro Logic IIx / Dolby Pro Logic IIz	• / • / —	• / • / •
DTS / DTS-Express / DTS-ES / DTS Neo:6 / DTS 96/24	• / • / • / • / •	• / • / • / • / •
DTS-HD Master Audio / DTS-HD High Resolution	• / •	• / •
THX	THX Ultra2 Plus	THX Ultra2 Plus
WMA9 Pro / Neural Surround	• / •	• / •
AIR Studios	• (Monitor Reference)	• (Monitor)
DSP FEATURES (Original or Others)		
Virtual Height / Virtual Surround Back	— / •	• / •
Wide Surround Movie / Wide Surround Music	— / —	• / •
Advanced Surround Modes	13 + 1 Modes[2]	13 + 1 Modes[2]
Front Stage Surround Advance	• (Focus, Wide)	• (Focus, Wide)
Dialogue Enhancement / Digital Noise Reduction	• / •	• / •
Advanced Sound Retriever / Sound Retriever AIR	• (2-ch) / —	• (Multi) / • (2-ch)
Midnight Listening Mode / Loudness / Tone Control	• / • / • (Multi)	• / • / • (Multi)
Auto Surround / Optimum Surround / Stream Direct	• / — / •	• / • / •
PQLS / Auto Level Control	• (with iLink) / —	• (Bit-stream, Multi, 2-ch) / • (Multi)
Sound Delay / Speaker A/B / Bi-amplifier / Large Speaker Terminal	• / • / • / •	• / • / • / •
Jitter Reduction / Sampling Rate Converter	• (HDMI) / •	• / —
VIDEO FEATURES		
I/P conversion	•	•
Video scaler (Analogue to HDMI)	• (up to 1080p)	• (up to 1080p)
Video adjustment	SD only: Brightness / Contrast / Hue / Chroma Level	•[3]
USB		
Terminal Type	A-type (Ver2.0 Hi-Speed)	A-type (Ver2.0 Full Speed)
for Memory Audio	• (WAV, MP3, AAC, WMA, WMA9 Pro)	• (MP3, WMA, WAV, MPEG-4 AAC, FLAC)
HDMI		
1080p transferring / 3D / ARC	• / — / —	• / • / •
Deep Colour (36-bit) / x.v.Colour	• / •	• / •
iPod		
Made for iPod and iPhone	—	•
iPod Interface	Analogue AV + USB	USB + Composite
iPod Digital Audio / Videos	• / •	• / •
iPod Cable (supplied dedicated cable)	•[4]	• (USB + Composite)
Support models	•[5]	•[6]
NETWORK FEATURES		
DLNA	•	•
Internet Radio	—	• (vTuner)
CONVENIENCE FEATURES		
Dynamic Range Control	•	•
Bluetooth® Wireless Technology	—	• (Adapter supplied)
RF Remote ready	—	• (RF Remote supplied)
iPhone Remote application ready	—	•
Zone ready (incl. Main)	3 Zone	3 Zone
GUI (Graphic User Interface)	•	•
Control with HDMI	—	•
TUNER		
FM/AM (Tuner, 3-Speed Accelerated Tuning, station name)	—	•
Radio Random Preset Select / RDS	— / —	63-/ •
REMOTE CONTROL		
Type	LCD Learning with backlight	RF OLED Learning
TERMINALS, OTHERS		
Analogue Multi-channel Input	• (7.1-ch)	• (7.1-ch)
Digital Coaxial Input (assignable) / Output	4 / 1	3 / —
Digital Optical Input (assignable) / Output	7 / 2	3 / 1
Audio In / Rec. Out	5 / 1	3 / 1
AV (composite) In / Rec. Out	8 / 2	4 / 1
HDMI Input (assignable) / Output	6 / 2	6 / 2
USB Input / Ethernet Input	1 / 1	1 / 1
S-Video In / Rec. Out	4 (assignable) / 2	—
Component Video In (assignable) / Out	5 / 1	3 / 1
Phono Input	• (MM)	• (MM)
Preamp Output	• (10.2-ch)	• (7.1-ch; Terminal 9.1-ch)
Bluetooth® Adapter Port	—	•
SR In / Out	•	•
GENERAL		
Dimensions (W x H x D), Weight	440 x 247 x 479 mm, 35.5 kg	420 x 200 x 460 mm, 18.5 kg
Power Consumption (in use/standby)	550 W / 0.55 W[7]	330 W / 0.2 W[7]
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–230 V, 50/60 Hz

SC-LX73	VSX-LX53	VSX-2020
1 kHz, 1 % THD, 6 Ω	1 kHz, 1 % THD, 6 Ω	1 kHz, 1 % THD, 6 Ω
180 W + 180 W	150 W + 150 W	150 W + 150 W
180 W	150 W	150 W
180 W + 180 W	150 W + 150 W	150 W + 150 W
180 W + 180 W	150 W + 150 W	150 W + 150 W
	—	—
700 W (1 kHz, 1 % THD, 8 Ω)	—	—
0.05 % (130 W + 130 W)	0.06 % (100 W + 100 W)	0.06 % (100 W + 100 W)
7-ch	7-ch	7-ch
Direct Energy HD (ICEpower)	Advanced Direct Energy	Advanced Direct Energy
• / 9-Band (advanced)	• / 9-Band (advanced)	• / 9-Band (advanced)
•	•	•
• / • / •	• / • / •	• / • / •
—	—	—
0.01 m	0.01 m	0.01 m
6	6	6
Freescale	Freescale	Freescale
24-bit	24-bit	24-bit
192 kHz/24-bit	192 kHz/24-bit	192 kHz/24-bit
• / •	• / •	• / •
• / •	• / •	• / •
• / • / •	• / • / •	• / • / •
• / • / • / • / • / •	• / • / • / • / • / •	• / • / • / • / • / •
• / •	• / •	• / •
THX Select2 Plus	THX Select2 Plus	THX Select2 Plus
• (Monitor)	—	• / •
		—
• / •	• / •	• / •
• / •	• / •	• / •
13 + 1 Modes[2]	13 + 1 Modes[2]	13 + 1 Modes[2]
• (Focus, Wide)	• (Focus, Wide)	• (Focus, Wide)
• (Multi) / • (2-ch)	• (Multi) / • (2-ch)	• (Multi) / • (2-ch)
• / • / • (Multi)	• / • / • (Multi)	• / • / • (Multi)
• / — / •	• / — / •	• / — / •
• (Multi, 2-ch) / • (Multi)	• (Multi, 2-ch) / • (Multi)	• (Multi, 2-ch) / • (Multi)
• / • / • / •	• / • / • / •	• / • / • / •
• / —	• / —	• / —
•	•	•
• (up to 1080p)	• (up to 1080p)	• (up to 1080p)
•[3]	•[3]	•[3]
A-type (Ver2.0 Full Speed)	A-type (Ver2.0 Full Speed)	A-type (Ver2.0 Full Speed)
• (MP3, WMA, WAV)	• (MP3, WMA, WAV)	• (MP3, WMA, WAV)
• / • / •	• / • / •	• / • / •
• / •	• / •	• / •
•	•	•
USB + Composite	USB + Composite	USB + Composite
• / •	• / •	• / •
• (USB + Composite)	• (USB + Composite)	• (USB + Composite)
•[6]	•[6]	•[6]
—	—	—
• (Preset)	• (Preset)	• (Preset)
•	•	•
• (Adapter supplied)	• (Adapter supplied)	•
•	•	•
•	•	•
3 Zone	3 Zone (ZONE 3 Analogue Audio only)	3 Zone (ZONE 3 Analogue Audio only)
•	•	•
•	•	•
•	•	•
63 / •	63 / •	63 / •
Learning	Learning	Learning
• (7.1-ch)	—	—
2 / —	2 / —	2 / —
3 / 1	3 / 1	3 / 1
3 / 1	2 / 1	2 / 1
4 / 1	4 / 1	4 / 1
6 / 2	6 / 2	6 / 2
1 / 1	1 / 1	1 / 1
—	—	—
3 / 1	2 / 1	2 / 1
• (MM)	—	—
• (7.1-ch; Terminal 9.1-ch)	• (7.1-ch; Terminal 9.1-ch)	• (7.1-ch; Terminal 9.1-ch)
•	•	•
420 x 200 x 460 mm, 18.5 kg	420 x 173 x 433 mm, 13.4 kg	420 x 173 x 433 mm, 13.1 kg
330 W / 0.2 W[7]	410 W / 0.2 W[7]	410 W / 0.2 W[7]
AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz

All trademarks are the property of their respective companies.

[1] SHARC is a registered trademark of Analog Devices, Inc.

[2] Modes: Action, Drama, Sci-Fi, Mono Film, Entertainment Show, Expanded Theater, TV-Surround, Advanced Game, Sports, Classical, Rock/Pop, Unplugged, Extended Stereo + Phones Surround

[3] Aspect, Pure Cinema, Progressive Motion, YNR, CNR, BNR, MNR, Detail, Brightness, Contrast, Hue, Chroma Level, Black Setup

[4] Original 20 pin Type, USB + Composite + Analogue Audio

[5] Audio: iPod (4G, 5G), iPod Photo, iPod classic, iPod touch (1G), iPod mini (1G, 2G), iPod nano (1G, 2G, 3G)
Video: iPod (5G), iPod classic, iPod nano (3G); April, 2010

[6] Audio: iPod (4G, 5G), iPod classic, iPod touch (1G, 2G), iPod nano (1G, 2G, 3G, 4G), iPhone Original (3G, 3GS)
Video: iPod (5G), iPod classic, iPod touch (1G, 2G), iPod nano (3G, 4G), iPhone Original (3G, 3GS); April, 2010

[7] In standby: Control with HDMI function is Off.

AV Receivers

	VSX-1025-K	VSX-1020-K
POWER OUTPUT (1 kHz, 1 % THD, 6 Ω)		
Front	140 W/ch	140 W/ch
Centre	140 W	140 W
Surround	140 W/ch	140 W/ch
Surround Back	140 W/ch	140 W/ch
TOTAL HARMONIC DISTORTION		
8 Ω, 20–20,000 Hz	0.06 % (95 W/ch)	0.06 % (95 W/ch)
AMPLIFIER DESIGN		
Channels	7-ch	7-ch
Power Amplifier Design	Direct Energy	Direct Energy
SOUND FIELD CALIBRATION FEATURES		
MCACC	• (advanced)	• (advanced)
Phase Control	•	•
EQ Band	9-Band (advanced)	9-Band (advanced)
Standing Wave Control / X-Curve / Symmetric EQ	• / • / •	• / • / •
Step of Distance Adjustment	0.01 m	0.01 m
MCACC Memory	6	6
DSP DESIGN		
Digital Core Engine	Freescale	Freescale
Transmission	24-bit	24-bit
DAC / ADC	192 kHz/24-bit / 96 kHz/24-bit	192 kHz/24-bit / 96 kHz/24-bit
DSP FEATURES (License or Format)		
Dolby Digital / Dolby Digital EX	• / •	• / •
Dolby Digital Plus / Dolby TrueHD	• / •	• / •
Dolby Pro Logic II / Dolby Pro Logic IIx / Dolby Pro Logic IIz	• / • / •	• / • / •
DTS / DTS-Express / DTS-ES / DTS Neo:6 / DTS 96/24	• / • / • / • / •	• / • / • / • / •
DTS-HD Master Audio / DTS-HD High Resolution	• / •	• / •
Neural Surround	•	•
WMA9 Pro	•	•
DSP FEATURES (Original or Others)		
Virtual Height / Virtual Surround Back	• / •	• / •
Wide Surround Movie / Wide Surround Music	• / •	• / •
Advanced Surround Modes[2]	13+1 Modes[1]	13+1 Modes[1]
Front Stage Surround Advance	• (Focus, Wide)	• (Focus, Wide)
Dialogue Enhancement / Digital Noise Reduction	• / •	• / •
Advanced Sound Retriever / Sound Retriever AIR	• (Multi) / • (2-ch)	• (Multi) / • (2-ch)
Midnight Listening Mode / Loudness / Tone Control	• / • / • (2-ch)	• / • / • (2-ch)
Auto Surround / Stream Direct	• / •	• / •
PQLS / Auto Level Control	• (2-ch) / • (Multi)	• (2-ch) / • (Multi)
Sound Delay / Speaker A/B / Bi-amplifier / Large Speaker Terminal	• / • / • / •	• / • / • / •
Jitter Reduction	•	•
VIDEO FEATURES		
I/P conversion	•	•
Video scaler (Analogue to HDMI)	• (up to 1080p)	• (up to 1080p)
Basic Video adjustment (SD only)	•[3]	•[3]
USB		
Terminal Type	A-type (Ver2.0 Full Speed)	A-type (Ver2.0 Full Speed)
for Memory Audio	• (MP3, WMA, WAV)	• (MP3, WMA, WAV)
HDMI		
3D	•	•
Deep Colour (36-bit)	•	•
x.v.Colour	•	•
1080p Transferring	•	•
iPod		
Made for iPod and iPhone	•	•
iPod Interface	USB + Composite	USB + Composite
iPod Digital Audio / Videos	• / •	• / •
iPod Cable (supplied dedicated cable)	• (USB + Composite)	• (USB + Composite)
Support models	•[4]	•[4]
NETWORK FEATURES		
Internet Radio	• (Preset)	• (Preset)
CONVENIENCE FEATURES		
Dynamic Range Control	•	•
Bluetooth® Wireless Technology	•	•
iPhone Remote application ready	•	•
Zone ready (incl. Main)	2 Zone	2 Zone
GUI (Graphic User Interface)	•	•
Control with HDMI	•	•
TUNER		
FM/AM (Tuner, 3-Speed Accelerated Tuning, station name)	•	•
Radio Random Preset Select / RDS	63 / •	63 / •
REMOTE CONTROL		
Type	Learning	Learning
TERMINALS, OTHERS		
Analogue Multi-channel Input	—	—
Digital Coaxial Input (assignable) / Output	2 / —	2 / —
Digital Optical Input (assignable) / Output	2 / —	2 / —
Audio In / Rec. Out	2 / 1	2 / 1
AV (composite) In / Rec. Out	4 / 1	4 / 1
Bluetooth® Adapter Port	•	•
HDMI Input / Output	6 (assignable) / 1	6 (assignable) / 1
USB Input / Ethernet Input	1 / 1	1 / 1
Component Video In (assignable) / Out	2 / 1	2 / 1
Preamp Output	• (0.1-ch (SW))	• (0.1-ch (SW))
SR In / Out	•	•
GENERAL		
Dimensions (W x H x D), Weight	420 x 158 x 379 mm, 10.2 kg	420 x 158 x 379 mm, 10.2 kg
Power Consumption (in use/standby)	245 W / 0.4 W[5]	245 W / 0.4 W[5]
Power Requirements	AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz

All trademarks are the property of their respective companies.

[1] Modes: Action, Drama, Sci-Fi, Mono Film, Entertainment Show, Expanded Theater, TV-Surround, Advanced Game, Sports, Classical, Rock/Pop, Unplugged, Extended Stereo + Phones Surround

[2] Modes: Action, Drama, Entertainment Show, Advanced Game, Sports, Classical, Rock/Pop, Unplugged + Extended Stereo

VSX-920-K	VSX-820-K/S	VSX-520-K/S	VSX-420-K/S
140 W/ch	130 W/ch	130 W/ch	130 W/ch
140 W	130 W	130 W	130 W
140 W/ch	130 W/ch	130 W/ch	130 W/ch
140 W/ch	—	—	—
0.06 % (95 W/ch)	0.06 % (95 W/ch)	0.06 % (95 W/ch)	0.06 % (95 W/ch)
7-ch	5-ch	5-ch	5-ch
Direct Energy	Direct Energy	Direct Energy	Direct Energy
• (advanced)	•	•	—
•	•	•	•
9-Band (advanced)	•	•	—
• / • / •	— / — / •	— / — / •	— / — / —
0.01 m	0.1 m	0.1 m	0.1 m
6	1	1	—
Freescale	Texas Instruments Aureus™ (TMS320DA788)	Texas Instruments Aureus™ (TMS320DA788)	Texas Instruments Aureus™ (TMS320DA787)
24-bit	24-bit	24-bit	24-bit
192 kHz/24-bit / 96 kHz/24-bit	192 kHz/24-bit / 96 kHz/24-bit	192 kHz/24-bit / 96 kHz/24-bit	192 kHz/24-bit / 96 kHz/24-bit
• / •	• / •	• / •	• / —
• / •	• / •	• / •	• / —
• / • / •	• / • / •	• / • / •	• / — / —
• / • / • / • / • / •	• / • / • / • / • / •	• / • / • / • / • / •	• / — / — / — / • /
• / •	• / •	• / •	— / —
•	—	—	—
•	—	—	—
• / •	— / —	— / —	— / —
• / •	— / —	— / —	— / —
13 + 1 Modes[1]	8 + 1 Modes[2]	8 + 1 Modes[2]	8 + 1 Modes[2]
• (Focus, Wide)	•	•	•
• / •	— / —	— / —	— / —
• (Multi) / • (2-ch)	• (2-ch) / —	• (2-ch) / —	• (2-ch) / —
• / • / • (2-ch)	• / • / • (2-ch)	• / • / • (2-ch)	• / • / • (2-ch)
• / •	• / •	• / •	• / •
• (2-ch) / • (Multi)	— / • (2-ch)	— / • (2-ch)	— / • (2-ch)
• / • / • / •	• / • / — / •	• / — / — / • /	• / — / — / • /
—	—	—	—
•	—	—	
• (up to 1080p)	—	—	
•[3]	—	—	
A-type (Ver 2.0 Full Speed)	A-type (Ver 2.0 Full Speed)	—	—
• (MP3, WMA, WAV)	• (MP3, WMA, AAC)	—	—
•	•	•	—
•	•	•	•
•	•	•	•
•	•	•	•
•	—	—	—
USB & Composite	USB & Composite	—	—
• / •	• / •	— / —	— / —
• (USB + Composite)	• (USB + Composite)	—	—
•[4]	•[4]		
• (Preset)	—	—	—
•	•	•	•
•	•	•	•
•	—	—	•
2 Zone (ZONE 2 Analogue Audio only)	—	—	2 Zone (Analogue Audio only)
•	(OSD)	—	—
•	—	—	•
63 / •	30 / •	30 / •	30 / •
Learning	Preset	SR	SR
—	—	—	• (5.1-ch)
1 / —	1 / —	1 / —	1 / —
2 / —	2 / —	2 / —	2 / —
2 / 1	2 / 1	2 / 1	3 / 1
5 / 1	5 / 1	4 / 1	—
•	•	•	
4 (assignable) / 1	**4 / 1**	**3 / 1**	2 / 1 (Switcher)
1 / 1	1 / —	— / —	— / —
2 / 1	2 / 1	2 / 1	2 / 1
• (0.1-ch (SW))	• (2.1-ch (SW, SB/FH))	• (2.1-ch (SW, SB/FH))	• (0.1-ch (SW))
•			
420 x 158 x 379 mm, 10.1 kg	420 x 158 x 348 mm, 9.1 kg	420 x 158 x 348 mm, 8.9 kg	420 x 158 x 348 mm, 8.9 kg
245 W / 0.4 W[5]	245 W / 0.45 W	240 W / 0.45 W	260 W / 0.5 W
AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz

[3] Aspect, Pure Cinema, Progressive Motion, YNR, Detail, Sharpness, Brightness, Contrast, Hue, Chroma Level

[4] Audio: iPod (4G, 5G), iPod classic, iPod touch (1G, 2G), iPod nano (1G, 2G, 3G, 4G), iPhone Original (3G, 3GS)
Video: iPod (5G), iPod classic, iPod touch (1G, 2G), iPod nano (3G, 4G), iPhone Original (3G, 3GS); April, 2010

[5] In standby: Control with HDMI function is Off.

Backpanels AV Amplifier/Receivers

Back panel SC-LX90

Back panel SC-LX83

Back panel SC-LX73

Back panel VSX-LX53

Back panel VSX-2020

Back panel VSX-1025

Back panel VSX-1020

Back panel VSX-920

Back panel VSX-820

Back panel VSX-520

Back panel VSX-420

Blu-ray Disc Players

	BDP-LX91	BDP-LX53	BDP-330
PLAYBACK DISCS			
Blu-ray Discs (BD-ROM, BD-R/RE)	•	•	•
DVD-Video (DVD-R, DVD-R DL, DVD-RW)	•	•	•
DVD-VR (DVD-R, DVD-R DL, DVD-RW)	•	•	•
AVCHD (DVD-R, DVD-R DL, DVD-RW)	•	•	•
CD (DTS-CD)	•	•	•
CD (CD-DA)	•	•	•
PC-Files (CD/DVD)	• (ISO 9660 file system only)	•	•
COMPRESSED VIDEO & MUSIC PLAYBACK			
DivX	• (DVD/CD)	—	—
JPEG Photo Viewer	• (DVD/CD)	• (USB/DVD/CD)	• (USB/DVD/CD)
MP3	• (DVD/CD)	• (USB/DVD/CD)	• (USB/DVD/CD)
WMA (Windows Media Audio)	• (DVD/CD)	—	—
VIDEO			
Video D/A Converter	297 MHz/14-bit (HD)	148.5 MHz/12-bit (HD)	148.5 MHz/12-bit (HD)
Dual System (PAL/NTSC)	•	•	•
Adaptive bit leght expansion circuit	•	—	—
Triple HD Noise Reduction	•	—	—
1080p upscaler	•	•	•
1080/24p Output	• (BD/DVD)	• (BD)	• (BD)
Deep Colour	• (48-bit)	• (36-bit)	• (36-bit)
x.v.Colour	•	•	•
Component Frame DNR	•	—	—
AUDIO			
192 kHz/24-bit D/A Converter	•	•	•
Wolfson D/A Converter	• (WM8740 x 8)	—	—
DTS-HD Master Audio Decoder	•	•	•
DTS-HD High Resolution Audio Decoder	•	•	•
Dolby TrueHD Decoder	•	•	•
Dolby Digital Plus Decoder	•	•	•
PQLS	• (2-ch)	• (Multi, 2-ch)	• (Multi, 2-ch)
PQLS Bit-stream Output	—	•	•
NETWORK FEATURES			
BD-Live™	•	•	•
YouTube	—	•	•
RSS Reader	—	•	•
Wireless LAN Ready	—	•	•
CONVENIENCES			
iControlAV	—	•	•
Control with HDMI	•	•	•
10-Key Direct Search & Play (Chapter/Track)	•	—	—
Screen Saver	•	—	—
Auto Power Off	•	•	•
Skip Search (30 sec.)/Replay (10 sec.)	—	•	•
BD-BonusView	•	•	•
CONSTRUCTION			
Anti-Vibration	Advanced Double Layered Chassis	Armored Chassis	—
Selected Audio Parts	•	•	—
TERMINALS			
HDMI	2 (Gold Plated)	1 (Gold Plated)	1
Component Video Output (Y,PB,PR)	1 (BNC, Gold Plated)	1	1
S-Video Output	1 (Gold Plated)	—	—
Composite Video Output	1 (Gold Plated)	1	1
Digital Audio Output Optical / Coaxial	1 / 1	1 / —	1 / —
7.1-ch Audio Output	1 (Gold Plated)	—	—
2-ch Audio Output	—	1	1
Ethernet	1	1	1
USB Input	—	1 Front, 1 Rear	1 Front, 1 Rear
GENERAL			
Dimensions (W x H x D)	420 x 143 x 365 mm	420 x 72.5 x 228 mm	420 x 68 x 228 mm
Weight	14.3 kg	3.3 kg	2.5 kg
Power Consumption (in use/standby)	59 W / 0.3 W	23 W / 0.6 W	23 W / 0.6 W
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz

Back panel BDP-LX91

Stunning 3D.

Our full 3D capable Blu-ray Disc player BDP-LX54 and BDP-430 are also available. For more information please check out www.pioneer.eu or visit your local Pioneer dealer.

Back panel BDP-LX53

Back panel BDP-330

DVD Players

	DV-610AV-S/K	DV-420V-S/K	DV-320-S/K
PLAYBACK DISCS			
DVD-Video, SVCD, VCD, CD	•	•	•
DVD-Audio, SACD	•	—	—
CD-R/-RW	•	•	•
DVD-R/-RW (VR Mode, CPRM)	•	•	•
DVD-R/-RW, DVD+R/+RW, DVD-R/+R DL (Video Mode)	•	•	•
COMPRESSED VIDEO AND MUSIC PLAYBACK			
WMV (Windows Media Video)	•	•	—
WMA (Windows Media Audio)	•	•	•
DivX	• (Ultra)	•	•
JPEG PhotoViewer	•	•	•
HD JPEG	•	•	—
MPEG-4 AAC	•	•	•
MP3	•	•	•
PHOTO + MUSIC MIX (JPEG Slide show with Music)	•	•	•
VIDEO			
Dual PureCinema Progressive Scan (PAL/NTSC)	•	•	•
108 MHz/12-bit D/A Converter	•	•	•
I/P Simultaneous Output	•	•	—
Block NR & Ringing NR	•	—	—
Video Adjust	•	•	•
Zoom Function	•	•	•
AUDIO			
DVD Audio Compatibility	•	—	—
SACD Multi Compatibility	•	—	—
192 kHz/24-bit D/A Converter	•	—	—
96 kHz/24-bit D/A Converter	—	•	•
DTS 96/24 Decoder	•	—	—
DTS 5.1-Channel Decoder	•	—	—
DTS 2-Channel Downmix Output	•	—	—
Dolby Digital 5.1-Channel Decoder	•	—	—
Virtual Surround	•	•	•
Digital Output (Dolby Digital, DTS (DVD), MPEG Audio, Linear PCM)	•	•	•
Sound Retriever	—	•	•
Sound EQ	—	•	•
Dialogue	•	•	•
Dynamic Range Control (DVD)	•	•	•
Digital Out On/Off	•	•	•
OTHERS			
Advanced GUI (Graphical User Interface)	•	•	•
On-Screen Information	•	•	•
On-Screen Bit Rate Meter	•	•	•
Special Play Functions			
Programme Memory (Title or Chapter)	•	•	•
Last Memory (DVD)	• (DVD:5, VCD:1)	• (DVD:5, VCD:1)	• (DVD:5, VCD:1)
Resume Function (Stop Key)	•[1]	•[2]	•[3]
Repeat Mode (Disc)	•	•	•
Repeat Mode (Title/Chapter, A-B)	•[4]	•[5]	•[6]
Programme Play (CD/Track, Video/Chapter, Title)	•	•	•
Programme Play (DVD-A: Group/Track, SACD: Track)	•	—	—
Still/Step (Forward/Reverse, except VCD/DivX reverse)	•	•	•
Slow Play (Title/Chapter, A-B)	•	•	•
Random Play[7]	•	•	•
Scan/Search Functions			
10-Key Direct Search & Play (Chapter/Track)	•	•	•
Title/Track/Time Search[8]	•	•	•
Speaker Setting (Centre, Rear, Subwoofer)	•	—	—
Other Special Functions			
Remote Control Unit	Heads-up	Heads-up	Heads-up
Screen Saver	•	•	•
Auto Power Off	•	•	•
KURO LINK	—	•	—
On-Screen Display On/Off	—	•	—
Number of OSD Languages	6 (EN/FR/GE/IT/ES/RU)	7 (EN/FR/GE/IT/ES/RU/UA)	7 (EN/FR/GE/IT/ES/RU/UA)
CD→USB Ripping (MP3)	•	•	•
TERMINALS			
USB[9]	1	1	1
HDMI Terminal	1 (to 1080p, DSD)	1 (to 1080p)	—
Component Video Output	1	1	1
S-Video Output	1	—	—
SCART (RGB)	1	1	1
Video Output	1	1	1
5.1-Channel Audio Output	1	—	—
Audio Output	—	1	1
Coaxial Digital Output	1	1	1
Optical Digital Output	1	—	—
GENERAL			
Dimensions (W x H x D)	420 x 49.5 x 215.5 mm	420 x 49.5 x 215 mm	420 x 49.5 x 215 mm
Weight	1.7 kg	1.7 kg	1.7 kg
Power Consumption (in use/standby)	12 W / 0.8 W	11 W / 0.7 W	11 W / 0.5 W
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz

DV-220V-K	DV-120-K
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• (DVD:5, VCD:1)	• (DVD:5, VCD:1)
•[2]	•[2]
•	•
•[5]	•[5]
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—	—
Heads-up	Heads-up
•	•
•	•
•	—
•	•
7 (EN/FR/GE/IT/ES/RU/UA)	7 (EN/FR/GE/IT/ES/RU/UA)
•	•
1	1
1 (to 1080p)	—
1	1
—	—
1	1
1	1
—	—
1	1
1	1
—	—
360 x 42 x 202 mm	360 x 42 x 202 mm
1.3 kg	1.3 kg
11 W / 0.7 W	11 W / 0.6 W
AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz

Back panel DV-610AV

Back panel DV-420V

Back panel DV-320

Back panel DV-220V

Back panel DV-120

[1] Not available with DVD-A/SACD/MPEG-4 AAC/WMA/MP3 playback

[2] Not available with MPEG-4 AAC/WMA/MP3 playback

[3] Not available with WMA/MP3 playback

[4] Repeat A-B function not available with DVD-A/SACD/MPEG-4 AAC/WMA/MP3/WMV/DivX playback

[5] Repeat A-B function not available with MPEG-4 AAC/WMA/MP3/WMV/DivX playback

[6] Repeat A-B function not available with WMA/MP3/DivX playback

[7] Not available with MPEG-4 AAC/WMA/MP3/ WMV/DivX playback

[8] Time Search function not available with DVD-A/SACD

[9] Mass storage class only supported

Blu-ray Home Cinema Systems

	BCS-707	BCS-303	BCS-FS505
AMPLIFIER			
Total Power Output (Peak)	1100 W	1100 W	560 W
Front (4 Ω)	180 W/ch	180 W/ch	180 W/ch
Centre (4 Ω)	180 W	180 W	—
Surround (4 Ω)	180 W/ch	180 W/ch	—
Subwoofer (3 Ω)	200 W	200 W	200 W
Total Power Output (RMS, THD 10 %)	930 W	930 W	480 W
Front (4 Ω)	150 W/ch	150 W/ch	150 W/ch
Centre (4 Ω)	150 W	150 W	—
Surround (4 Ω)	150 W/ch	150 W/ch	—
Subwoofer (3 Ω)	180 W	180 W	180 W
PLAYBACK DISCS			
BD-ROM	•	•	•
BD-R/RE (BDMV, AVC HD, PC Files[1])	•	•	•
DVD-Video	•	•	•
DVD-R (Video Mode, PC-Files[1])	•	•	•
DVD-RW (Video Mode, VR Mode, PC-Files[1])	•	•	•
DVD+R (Video Mode, PC-Files[1])	•	•	•
DVD+RW (Video Mode, PC-Files[1])	•	•	•
CD-R/-RW (Audio)	•	•	•
FORMATS			
Audio			
LPCM	•	•	•
Dolby Pro Logic II	•	•	—
Dolby Digital / Dolby Digital Plus / Dolby TrueHD	• / • / •	• / • / •	• / • / •
DTS / DTS 96/24	• / •	• / •	• / •
DTS-HD Master Audio Essential	•	•	•
DTS-HD High Resolution Audio	•	•	•
MPEG-2 AAC / MPEG-4 AAC	• / •	• / •	• / •
MP3 / WMA	• / •	• / •	• / •
Video			
MPEG2 / MPEG4 AVC (H.264)	• / •	• / •	• / •
SMPTE VC1 (VC-9)	•	•	•
DivX / DivX HD	• / •	• / •	• / •
MKV / AVCHD	• / •	• / •	• / •
TUNER			
Station Memory	50 (FM only)	50 (FM only)	50 (FM only)
RDS	•	•	•
APPLICATION			
Bonus View (BD profile 1.1)	•	•	•
Network / BD Live (BD profile 2.0)	•	•	•
SOUND & SURROUND			
DSP Features			
Pioneer (Original)	2 Modes	2 Modes	1 Mode
By Pass	•	•	•
Bass Blast	•	•	•
Clear Voice	•	•	•
Game	•	•	•
Music Retouch (MP3 Expander)	•	•	•
Night Mode	•	•	•
Loudness	•	•	•
Surround Modes (for Stereo Sources)			
Dolby Pro Logic ll	•	•	—
Dolby Pro Logic ll Movie	•	•	—
Dolby Pro Logic ll Music	•	•	—
CONVENIENCE			
DLNA	•	•	•
Speaker Distance (Channel Delay)	•	•	•
A/V Sync Delay (Audio Delay)	•	•	•
Sleep	•	•	•
USB Recording (2x speed, CD only)	•	•	•
iPod Dock			
Made for iPod	•	•	•
Made for iPhone	•	•	•
iPod Video Support	•	•	•
Bluetooth® Wireless Technology 2.0	•	•	•
Dynamic Range Control	•	•	•
VIDEO FEATURES			
1080p Upscaling	•	•	•
PAL/NTSC Conversion	•	•	•
Video D/A Converter	148 MHz/12-bit	148 MHz/12-bit	148 MHz/12-bit
Deep Colour (HDMI 1.3)	•	•	•
TERMINALS			
USB 2.0	•	•	•
Portable Input	•	•	•
Audio Input	•	•	•
Composite Video Output	1	1	1
Component Video Output	1	1	1
Digital Audio Input	2x Optical	2x Optical	2x Optical
iPod Input	• (Cradle Type)	• (Cradle Type)	• (Cradle Type)
HDMI Output	1	1	1
Ethernet	•	•	•
Radio Antenna (FM)	•	•	•
Speaker Terminal	5.1-ch	5.1-ch	2.1-ch
GENERAL			
BD Receiver unit (Dimensions (W x H x D), Weight)	430 x 64 x 304 mm, 3.6 kg	430 x 64 x 304 mm, 3.6 kg	430 x 64 x 304 mm, 3.6 kg
Front Speaker (Dimensions (W x H x D), Weight)	260 x 1097 x 260 mm, 3.8 kg	96 x 96 x 85 mm, 0.4 kg	77 x 395 x 55 mm, 1.0 kg
Centre Speaker (Dimensions (W x H x D), Weight)	300 x 87 x 65 mm, 0.6 kg	300 x 87 x 65 mm, 0.6 kg	—
Rear Speaker (Dimensions (W x H x D), Weight)	260 x 1097 x 260 mm, 3.8 kg	96 x 96 x 85 mm, 0.4 kg	—
Subwoofer (Dimensions (W x H x D), Weight)	130.5 x 420 x 375 mm, 4.4 kg	130.5 x 420 x 375 mm, 4.4 kg	130.5 x 420 x 375 mm, 4.4 kg
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz
Power Consumption Main Unit (in use/standby)	150 W / 0.5 W	150 W / 0.5 W	95 W / 0.5 W

DVD Home Cinema Systems

	DCS-404K	DCS-202K	DCS-FS303K
AMPLIFIER			
Total Power Output (Peak)	300 W	300 W	165 W
Front (4 Ω)	45 W/ch	45 W/ch	45 W/ch
Centre (4 Ω)	45 W	45 W	—
Surround (4 Ω)	45 W/ch	45 W/ch	—
Subwoofer (8 Ω)	75 W	75 W	75 W
Total Power Output (RMS, THD 10 %)	210 W	210 W	120 W
Front (4 Ω)	30 W/ch	30 W/ch	30 W/ch
Centre (4 Ω)	30 W	30 W	—
Surround (4 Ω)	30 W/ch	30 W/ch	—
Subwoofer (8 Ω)	60 W	60 W	60 W
PLAYBACK DISCS			
DVD-Video	•	•	•
DVD-R (Video Mode, PC-Files[1])	•	•	•
DVD-RW (Video Mode, PC-Files[1])	•	•	•
DVD+R (Video Mode, PC-Files[1])	•	•	•
DVD+RW (Video Mode, PC-Files[1])	•	•	•
CD-R/-RW (Audio, Video, Super VCD)	•	•	•
FORMATS			
Audio			
LPCM	•	•	•
Dolby Pro Logic II	•	•	—
Dolby Digital	•	•	•
DTS	•	•	•
MP3 / WMA	• / •	• / •	• / •
Video			
MPEG2	•	•	•
DivX	•	•	•
TUNER			
Station Memory	50 (FM only)	50 (FM only)	50 (FM only)
RDS	•	•	•
SOUND & SURROUND			
DSP Features			
Pioneer (Original)	2 Modes	2 Modes	1 Mode
By Pass	Normal	Normal	Normal
Pop	•	•	•
Classic	•	•	•
Jazz	•	•	•
Rock	•	•	•
MP3 OPT (Optimize)	•	•	•
Bass	•	•	•
Surround Modes (for Stereo Sources)			
Dolby Pro Logic ll Matrix	•	•	—
Dolby Pro Logic ll Movie	•	•	—
Dolby Pro Logic ll Music	•	•	—
CONVENIENCE			
Karaoke	•	•	•
Speaker Distance (Channel Delay)	•	•	•
Sleep	•	•	•
USB Recording (2x speed, CD only)	•	•	•
Microphone Jack Type (φ3.5)	1	1	1
Dynamic Range Control	0.5	•	•
VIDEO FEATURES			
1080p Upscaling	•	•	•
PAL/NTSC Conversion	•	•	•
Video D/A Converter	108 MHz/12-bit	108 MHz/12-bit	108 MHz/12-bit
TERMINALS			
USB 2.0	•	•	•
Portable Input	•	•	•
Audio Input	•	•	•
Composite Video Output	1	1	1
Component Video Output	1	1	1
SCART Video Output	1	1	1
HDMI Output	1	1	1
Radio Antenna (FM)	•	•	•
Speaker Terminal	5.1-ch	5.1-ch	2.1-ch
GENERAL			
DVD Receiver unit (Dimensions (W x H x D), Weight)	360 x 66 x 327 mm, 2.5 kg	360.2 x 66.3 x 315.6 mm, 2.5 kg	360.2 x 66.3 x 315.6 mm, 2.5 kg
Front Speaker (Dimensions (W x H x D), Weight)	260 x 1097 x 260 mm, 3.8 kg	96 x 96 x 85 mm, 0.4 kg	77 x 395 x 55 mm, 1.0 kg
Centre Speaker (Dimensions (W x H x D), Weight)	300 x 87 x 65 mm, 0.6 kg	300 x 87 x 65 mm, 0.6 kg	—
Rear Speaker (Dimensions (W x H x D), Weight)	260 x 1097 x 260 mm, 3.8 kg	96 x 96 x 85 mm, 0.4 kg	—
Subwoofer (Dimensions (W x H x D), Weight)	190 x 360 x 320 mm, 3.8 kg	190 x 360 x 320 mm, 3.8 kg	190 x 360 x 320 mm, 3.8 kg
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz
Power Consumption Main Unit (in use/standby)	50 W / 1 W	50 W / 1 W	30 W / 1 W

[1] ISO 9660 file system only.

Home Theatre Packages

	HTP-710 / HTP-610 / HTP-FS510 / HTP-SB510[1]	HTP-SB300
AMPLIFIER		
Total Power	600 W	250 W
Front Power	100 W/ch	50 W/ch
Condition	Peak (1 kHz, 10 % THD, 4 Ω)	RMS (1 kHz, 10 % THD, 6 Ω)
Centre Power	100 W	50 W
Condition	Peak (1 kHz, 10 % THD, 4 Ω)	RMS (1 kHz, 10 % THD, 6 Ω)
Surround Power	100 W/ch	—
Condition	Peak (1 kHz, 10 % THD, 4 Ω)	—
Subwoofer Power	100 W	100 W
Condition	Peak (100 Hz, 10 % THD, 4 Ω)	RMS (100 Hz, 10 % THD, 4 Ω)
TUNER		
Station Memory	30 (FM only)	—
RDS	•	—
SOUND & SURROUND		
Midnight Listening Mode	•	—
Loudness	—	—
Treble Tone Control	•	—
Bass Tone Control	•	—
Direct	•	•
MCACC EQ (with microphone)	•	—
Phase Control	•	—
DSP Features		
Advanced Sound Retriever	•	—
Front Stage Surround Advance	•	•
LipSync	•	•
Auto Level Control	•	•
Advanced Surround Modes	9	9
Auto Surround Modes	•	•
Built-in Decoder		
Dolby Digital	•	•
Dolby Digital Plus	•	•
Dolby Pro Logic ll	•	•
Dolby TrueHD	•	•
DTS	•	•
DTS-ES discrete	•	—
DTS 96/24	•	—
DTS HD	•	—
NEO:6	•	—
HDMI		
HDMI ver1.4a (3D signal pass through)	•	—
3D	•	—
Deep Colour	•	•
PORTABLE AUDIO		
USB Memory Audio ready	•	—
iPod Digital (USB)	•	—
VIDEO		
PAL/NTSC	•	—
TERMINALS		
iPod/USB Input	1	—
Audio/Video Input (Composite)	• (L/R/V)	—
Digital Input	2x Optical, 1x Coaxial	1x Optical, 1x Coaxial
Microphone	1 (MCACC)	—
HDMI Input / Output (Repeater)	3 / 1	2 / 1
FM antenna	1	—
Audio / Video Input (Composite)	1x A / 3x AV	—
Audio / Video Output (Composite)	1x A / 1x AV + 1x V	—
Speaker Terminal Type (Front/Center/Rear/Subwoofer)	Clip Type	—
AC inlet	•	
GENERAL		
Receiver unit (Dimensions (W x H x D), Weight)	230 x 360.5 x 422.5 mm, 11 kg	900 x 108 x 95 mm, 2.8 kg
Subwoofer (Dimensions (W x H x D), Weight)	—	411 x 181 x 215 mm, 4.3 kg
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz
Power Consumption Main Unit (in use/standby)	61 W / 0.5 W	[2]

[1] HTP-710: SX-SWR2 Audio/Video Multi-Channel Receiver Subwoofer and S-DV595T Speaker System (see dimensions below)

HTP-610: SX-SWR2 Audio/Video Multi-Channel Receiver Subwoofer and S-SWR600 Speaker System (see dimensions below)

HTP-FS510: SX-SWR2 Audio/Video Multi-Channel Receiver Subwoofer and S-SWR500FS Speaker System (see dimensions below)

HTP-SB510: SX-SWR2 Audio/Video Multi-Channel Receiver Subwoofer and S-SB510 Speaker System (see dimensions below)

[2] Main unit section: 40 W / 1 W

Subwoofer section: 25 W / 1 W

DIMENSIONS (W x H x D), Weight	S-DV595T	S-SWR600	S-SWR500FS	S-SB510
Front Speaker (W x H x D , Weight) without stand	260 x 1097 x 260 mm, 3.8 kg	96 x 96 x 96 mm, 0.5 kg	77 x 395 x 55 mm, 1.0 kg	800 x 57 x 85 mm, 2.0kg *
Front Speaker (W x H x D , Weight) with stand	-	-	126 x 462 x 126 mm, 1.3 kg	800 x 88 or 100 x 102 mm, 2.1kg *
Centre Speaker (W x H x D , Weight)	220 x 90 x 100 mm, 0.7 kg	96 x 96 x 96 mm, 0.5 kg (Dual Centre)	-	-
Surround Speaker (W x H x D , Weight)	260 x 1097 x 260 mm, 3.8 kg	96 x 96 x 96 mm, 0.5 kg	-	-

* Dimensions and weight not final at the time of publication.

Bundle Packages

CD Receiver System

HTB-520

VSX-520 (see page 53) +

BDP-333 (refer to BDP-330 on page 55)

Difference is:

• Only 1 USB Input (rear)

HTP-100

VSX-420 (see page 53) +

S-HS100 – 5.1ch Surround Speaker System:

4 satellite speakers + centre **S-11**

• 150 W power

• 77 mm full-range driver

• Phase Control Design

Subwoofer **S-21W** (see page 65)

	X-HM50-K/S (UK model only -K)
AMPLIFIER	
Type	Class D Amplifier
Total Power	100 W
Front RMS	50 W/ch
PLAYBACK	
CD-R/-RW	•
Format (on Disc & USB)	
MP3	•
WMA (Windows Media Audio)	•
CD	
Type (Front Loading)	1-Tray CD
16-bit D/A Converter	•
Program (APMS)	• (32)
Repeat Playback	•
Random Playback	•
Random	•
TUNER	
Type	PLL Synthe
FM/AM	• (UK model only FM)
DAB	• (UK model only)
RDS	•
Auto Scan Tuning	•
Preset	40 Random
Preset Scan	•
FEATURES	
Auto Power On/Off	•
Preset Graphic Equalizer	•
Function	iPod/CD/Tuner/USB/Audio In/Line IN
Available colours	black / silver (UK model only in black)
Tone Control	
Bass	•
Treble	•
Clock/Timer/Sleep	•
Display	• (FL, White)
Remote Control	•
USB	
Terminal Type	Ver2.0
iPod	
Type	Top Dock
iPod/iPhone Connection	Digital
SPEAKER	
Type	2-Way
Front Speaker	
Woofer	12 cm
Tweeter	Soft Dome
Bass Reflex	•
Detachable Speaker Grilles	•
TERMINALS	
USB Input (Front)	•
Audio Input (Front)	•
iPod Input	• (Top Dock)
LINE Input	• (RCA)
Speaker Terminal Type	Screw type
Headphone (Front)	•
Video Output (for iPod)	•
Subwoofer Preout	•
Antenna FM / AM	• (UK model only Antenna for FM)
GENERAL	
Main unit (Dimensions (W x H x D), Weight)	215 x 99 x 300 mm, 4.4 kg
Front Speaker Box (Dimensions (W x H x D), Weight)	148 x 260 x 191 mm, 2.5 kg (each)
Power Consumption (in use/standby)	36 W / 0.4 W
Power Requirements	AC 220–230 V, 50/60 Hz

Audiophile Integrated Amplifiers

	A-A9MK2	A-A6MK2
POWER OUTPUT		
Continuous Power Output		
20–20,000 Hz, 4 Ω	70 W + 70 W	60 W + 60 W
20–20,000 Hz, 8 Ω	55 W + 55 W	45 W + 45 W
AUDIO FEATURES		
Quick Response Power Supply Circuit	•	•
Low-impedance Driving Capability	•	•
Wide-Range Linear Circuit	•	•
Tone Control / Balance (remote)	• / •	• / •
Mute	•	•
Sound Retriever (analogue)	•	—
Direct Construction / „Direct" Switch	• / •	• / •
CONSTRUCTION		
Twin Mono Symmetrical Construction	•	•
Honeycomb Chassis	•	—
Rigid Under Base Construction	•	—
HIGH-QUALITY PARTS		
Large Speaker Terminal	•	—
Large Insulator	• (Metal)	•
LAPT Power Device	•	•
Toroidal Transformer	•	—
CONVENIENCE		
SR (System Remote) Control Unit	•	•
TERMINALS		
Audio Input		
CD · Tape · AUX · Tuner	•	•
Phono	MC/MM	MM
USB Input (2-ch)	•	—
Audio Output		
Tape / PRE-Out	• / •	• / —
Headphone Output / Speaker Output	• / •	• / •
SR Out	•	•
LCD DISPLAY		
LCD Dimmer (3 step)	•	•
AMPLIFIER SECTION		
AB Class Power Stage	•	•
GENERAL		
Dimensions (W x H x D)	420 x 113 x 369 mm	420 x 100 x 359 mm
Weight	11.5 kg	10 kg
Power Consumption (in use/standby)	200 W / 0.8 W	170 W / 0.8 W
Power Requirements	AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz

Audiophile Super Audio CD Players

	PD-D9MK2	PD-D6MK2
MEDIA		
CD/SACD/CD-R/CD-RW	•	•
MP3 / WMA	•	•
AUDIO FEATURES		
Sampling Rate Converter	•	—
Quick Response Power Supply Circuit	•	•
Twin D/A Converter (192 kHz/24-bit)	Wolfson	Burr-Brown
Power Transformers	• (R-Core x2)	• (EI-Core)
Legato Link Conversion PRO (on/off)	•	•
Hi-bit	•	•
High Accuracy Master Clock	•	•
Pure Audio Mode / Direct Construction	• / •	• / •
CONSTRUCTION		
Honeycomb Chassis	•	•
Isolated power supply block	•	—
Rigid Underbase Construction	•	—
Aluminium Front Panel / Side Panel / Top Plate	• / • / •	• / — / —
Stainless Steel CD Mechanism Top Cover	•	—
HIGH-QUALITY PARTS		
Large Insulator	• (TAOC)	—
High quality pin jack	•	—
Schottky barrier diode	•	•
CONVENIENCE		
SR (System Remote) Control Unit	•	•
PLAYBACK		
Random Play · Repeat Play · Programme Play	•	•
TERMINALS		
Audio Output		
Optical / Coaxial	1 / 1	1 / 1
Analogue (2-ch)	1	1
SR In/Out	• / •	• / •
LCD DISPLAY		
LCD Dimmer (3 step)	•	•
SPECIFICATION		
CD Audio		
Frequency Response	4 Hz–20 kHz (-1 dB)	4 Hz–20 kHz (-1 dB)
Sampling Frequency	176.4 kHz	44.1 kHz
Super Audio CD		
Frequency Response	4 Hz–50 kHz (-3 dB)	4 Hz–50 kHz (-3 dB)
Sampling Frequency	2.8224 MHz (DSD)	2.8224 MHz (DSD)
GENERAL		
Dimensions (W x H x D)	420 x 113 x 340 mm	420 x 100 x 340 mm
Weight	11 kg	4.5 kg
Power Consumption (in use/standby)	22 W / 0.4 W	22 W / 0.4 W
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–230 V, 50/60 Hz

Audiophile Radio Tuners

DAB FEATURES	F-F6MK2	F-F3MK2
Auto Tune	•	—
Sort List Search	•	—
Preset Search	•	—
Sort (Alphanumeric, S. Component, PTY)	•	—
DAB Information Display	•	—
Dynamic Range Control	•	—
FM/AM FEATURES		
Auto Preset (FM/AM)	•	•
Auto Tuning (FM/AM)	•	•
Manual Tuning (FM/AM)	•	•
Station Preset	200 (DAB:100, FM/AM:100)	100 (FM/AM)
MPX (FM)	•	•
RDS (RDS Search, PTY Search, TP Search, RT (Radio Text), RDS Information Display)	•	•
HIGH-QUALITY AUDIO PARTS		
192 kHz/24-bit D/A Converter	•	—
Large Insulator	•	•
Schottky barrier diode	•	•
Low ESR	•	•
Aluminium Front Panel	•	•
CONVENIENCE		
SR (System Remote) Control Unit	•	•
Station Preset Renaming	•	•
DAB Tuning Aid	•	—
TERMINALS		
Audio Output	•	•
SR In/Out	• / •	• / •
Optical Digital Output	1	—
Coaxial Digital Output	1	—
RDI	•	—
AM / FM Antenna Jack	•	•
DAB Antenna Jack	•	—
LCD DISPLAY		
LCD Dimmer (3 step)	•	•
GENERAL		
Dimensions (W x H x D)	420 x 78 x 350 mm	420 x 78 x 350 mm
Weight	4.3 kg	4.3 kg
Power Consumption (in use/standby)	12 W / 0.5 W	8 W / 0.5 W
Power Requirements	AC 220 – 240 V, 50/60 Hz	AC 220 – 240 V, 50/60 Hz

Super Audio CD Receiver

AMPLIFIER	PDX-Z9
RMS Power Output (1 kHz, 10 % THD, 4 Ω)	50 W + 50 W
Continuous Power Output (20 Hz – 20 kHz, 1 % THD, 4 Ω)	40 W + 40 W
DSP FEATURES	
Advanced Sound Retriever (Independent Button)	•
Sound Mode (Sound Button)	3 Modes (RELAXING, EXCITING, VIVID)
Intelligent Loudness	
Bass/Treble	• / •
Digital NR	• (TUNER, LINE, PHONO function only)
Hi-Bit	• (Except SACD PLAY)
TERMINALS	
Audio Input	2 (LINE, PHONO (MM) only)
Audio Output	1 (LINE)
USB-A (host) Terminal	1 (ver.1.1)
Front Audio Input (Stereo Mini)	1
iPod Terminal	1 (21 pin)
Headphone (Stereo Mini)	1
Ethernet Terminal	1
TUNER	
FM/AM	•
RDS	•
Auto Preset	•
Station Memory	30
SACD/CD	
No. of Program	24
Playability Media	
Super Audio CD	• (only 2-ch)
CD / CD-R/CD-RW	•
Playability Format	
MP3 / WMA	•
NEW MEDIA	
Made for iPod (iPod USB Charging)	•
USB (Playability Format)	•
MP3 / MPEG-4 AAC / WMA / FLAC	•
WAV	• (only LPCM)
Network (Playability Format)	• (DLNA1.0 Certified)
MP3 / MPEG-4 AAC / WMA / FLAC / LPCM (Stream)	•
WAV	• (only LPCM)
Internet Radio (Playability Format)	MP3 / WMA
Internet Radio DataBase	vTuner
GENERAL	
Dimensions (W x H x D)	386 x 88 x 347 mm
Weight	5 kg

Stereo and Home Cinema Speakers

SPECIFICATIONS	S-1EX-QL/W	S-2EX-QL/W	S-7EX-QL/W
Enclosure	Front Vented Bass-Reflex Floor-Standing Type	Front Vented Bass-Reflex Bookshelf Type	Front Vented Bass-Reflex Centre Type
Drivers			
Woofer	18 cm Aramid Cone (x2)	18 cm Aramid Cone	18 cm Aramid Cone (x2)
Midrange	Concentric Driver: 14 cm Magnesium Cone	Concentric Driver: 14 cm Magnesium Cone	Concentric Driver: 14 cm Magnesium Cone
Tweeter	Concentric Driver: 3.5 cm Beryllium Dome	Concentric Driver: 3.5 cm Beryllium Dome	Concentric Driver: 3.5 cm Beryllium Dome
Frequency Range	28–100,000 Hz	34–100,000 Hz	34–100,000 Hz
Sensitivity (2.83 V/1 m)	89.5 dB	86.5 dB	89.5 dB
Impedance	6 Ω	6 Ω	6 Ω
Maximum Power	200 W	200 W	200 W
Crossover Frequencies	400 Hz / 2 kHz	400 Hz / 2 kHz	400 Hz / 2 kHz
Dimensions (W x H x D) with Base	422 x 1,283 x 609 mm	291 x 565 x 425 mm	820 x 318 x 425 mm
Dimensions (W x H x D) without Base	—	—	820 x 291 x 425 mm
Weight	66 kg	28 kg	39 kg

SPECIFICATIONS	S-3EX-QL/W	S-4EX-QL/W	S-8EX-QL/W
Enclosure	Front Vented Bass-Reflex Floor-Standing Type	Front Vented Bass-Reflex Bookshelf Type	Front Vented Bass-Reflex Centre Type
Drivers			
Woofer	16 cm Aramid Cone (x2)	16 cm Aramid Cone	16 cm Aramid Cone (x2)
Midrange	Concentric Driver: 14 cm Magnesium Cone	Concentric Driver: 14 cm Magnesium Cone	Concentric Driver: 14 cm Magnesium Cone
Tweeter	Concentric Driver: 3 cm Ceramic Graphite Dome	Concentric Driver: 3 cm Ceramic Graphite Dome	Concentric Driver: 3 cm Ceramic Graphite Dome
Frequency Range	30–100,000 Hz	34–100,000 Hz	34–100,000 Hz
Sensitivity (2.83 V/1 m)	88.5 dB	85.5 dB	88.5 dB
Impedance	6 Ω	6 Ω	6 Ω
Maximum Power	160 W	160 W	160 W
Crossover Frequencies	400 Hz / 1.8 kHz	400 Hz / 2 kHz	400 Hz / 2 kHz
Dimensions (W x H x D) with Base	350 x 1,224 x 541 mm	263 x 490 x 387 mm	723 x 287 x 387 mm
Dimensions (W x H x D) without Base	—	—	723 x 263 x 387 mm
Weight	48 kg	20 kg	29 kg

SPECIFICATIONS	S-81-K/QL	S-81B-LR-K/QL/W	S-81C-K/QL
Enclosure	Front Vented Bass-Reflex Floor-Standing Type	Front Vented Bass-Reflex Bookshelf Type	Rear Vented Bass-Reflex Centre Type
Drivers			
Woofer	13 cm Aramid Cone (x2)	Concentric Driver: 13 cm Aramid Cone	13 cm Aramid Cone (x2)
Midrange	Concentric Driver: 13 cm Aramid Cone	—	Concentric Driver: 13 cm Aramid Cone
Tweeter	Concentric Driver: 2.5 cm Titanium Dome	Concentric Driver: 2.5 cm Titanium Dome	Concentric Driver: 2.5 cm Titanium Dome
Super Tweeter	Riffel-Type	—	—
Frequency Range	30–100,000 Hz	40–50,000 Hz	40–50,000 Hz
Sensitivity (2.83 V/1 m)	85.5 dB	84.5 dB	85.5 dB
Impedance	6 Ω	6 Ω	6 Ω
Maximum Power	130 W	130 W	130 W
Crossover Frequencies	370 Hz / 3 kHz / 35 kHz	2 kHz	370 Hz / 3 kHz
Dimensions (W x H x D) with Base	267 x 1,190 x 295 mm	190 x 350 x 295 mm	560 x 212 x 295 mm
Dimensions (W x H x D) without Base	—	—	560 x 190 x 295 mm
Weight	25.8 kg	7.9 kg	14.5 kg

SPECIFICATIONS	S-71-K	S-71B-LR-K	S-71C-K
Enclosure	Bottom Front Vented Bass-Reflex Floor-Standing Type	Rear Vented Bass-Reflex Bookshelf Type	Rear Vented Bass-Reflex Centre Type
Drivers			
Woofer	13 cm Aramid Cone (x2)	Concentric Driver: 13 cm Aramid Cone	Concentric Driver: 13 cm Aramid Cone
Midrange	Concentric Driver: 13 cm Aramid Cone	—	—
Tweeter	Concentric Driver: 2.5 cm Titanium Dome	Concentric Driver: 2.5 cm Titanium Dome	Concentric Driver: 2.5 cm Titanium Dome
Frequency Range	33–50,000 Hz	43–50,000 Hz	43–50,000 Hz
Sensitivity (2.83 V/1 m)	85 dB	83 dB	83 dB
Impedance	6 Ω	6 Ω	6 Ω
Maximum Power	130 W	130 W	130 W
Crossover Frequencies	300 Hz / 2.5 kHz	3 kHz	3 kHz
Dimensions (W x H x D)	260 x 1,114 x 276 mm	181 x 300 x 276 mm	400 x 188 x 256 mm
Dimensions (W x H x D) without Base	—	—	400 x 174 x 256 mm
Weight	23.8 kg	6.1 kg	7 kg

Stereo and Home Cinema Speakers

SPECIFICATIONS	S-31-LR-K/QL	S-31B-LR-K/QL	S-31C-K/QL
Enclosure	Downfire Bass Reflex Floor-Standing Type	Rear Vented Bass-Reflex Bookshelf Type	Rear Vented Bass-Reflex Centre Type
Drivers			
Woofer	10 cm Glass Fibre Cone (x2)	10 cm Glass Fibre Cone	10 cm Glass Fibre Cone (x2)
Tweeter	2.5 cm Soft Dome	2.5 cm Soft Dome	2.5 cm Soft Dome
Frequency Range	38 – 40,000 Hz	45 – 40,000 Hz	45 – 40,000 Hz
Sensitivity (2.83 V/1 m)	84 dB	82 dB	84 dB
Impedance	6 Ω	6 Ω	6 Ω
Maximum Power	120 W	120 W	120 W
Crossover Frequencies	3 kHz	3 kHz	3 kHz
Dimensions (W x H x D)	202 x 1,006 x 230 mm	152 x 235 x 196 mm	364 x 146 x 177 mm
Weight	8.8 kg	2.5 kg	3.6 kg

Subwoofers

SPECIFICATIONS	S-W250S(-W)	S-81W-MK / S-LX70W	S-71W
Enclosure	Rear Passive Radiator (30 cm)	Closed	Downfire Bass-Reflex
Driver	30 cm Cone	30 cm Cone	25 cm Cone
Frequency Range (Bypass)	23–1,000 Hz	25–4,000 Hz	26–1,000 Hz
Speaker Input Sensitivity / Impedance (100 Hz)	1.6 V + 1.6 V / 15 kΩ	—	—
Line Input Sensitivity / Impedance (100 Hz)	160 mV / 50 kΩ	160 mV / 33 kΩ	190 mV / 20 kΩ
Power Handling	250 W RMS	300 W RMS	280 W Peak / 160 W RMS
Power Consumption (in use/standby)	56 W	90 W / 1.0 W	130 W / 0.45 W
Power Requirements	AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz	AC 220–240 V, 50/60 Hz
Dimensions (W x H x D)	430 x 480 x 430 mm	362 x 365 x 362 mm	372 x 394 x 412 mm
Weight	34.5 kg	18.2 kg	19.3 kg

SPECIFICATIONS	S-51W	S-21W
Enclosure	Downfire Bass-Reflex	Front-Duct Bass-Reflex
Driver	20 cm Cone	16 cm Cone
Frequency Range (Bypass)	26–900 Hz	33–700 Hz
Line Input Sensitivity / Impedance (100 Hz)	190 mV / 20 kΩ	300 mV / 47 kΩ
Power Handling	150 W RMS	160 W Peak / 100 W RMS
Power Consumption (in use/standby)	130 W / 0.45 W	25 W / 0.5 W
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz
Dimensions (W x H x D)	360 x 382 x 360 mm	230 x 408 x 344 mm
Weight	13.5 kg	6.5 kg

Pure Malt Speakers

SPECIFICATIONS	S-A4SPT-PM	S-A4SPT-VP
Enclosure	Rear Vented Bass-Reflex Bookshelf Type	Rear Vented Bass-Reflex Bookshelf Type
Drivers		
Woofer	10 cm Aramid Cone	10 cm Cellulose Pulp Cone
Tweeter	2 cm Soft Dome	2 cm Soft Dome
Frequency Range	60–40,000 Hz	50–40,000 Hz
Sensitivity	84 dB	84 dB
Impedance	6 Ω	6 Ω
Maximum Power	100 W	100 W
Crossover Frequencies	3.5 kHz	3.5 kHz
Dimensions (W x H x D)	154 x 246 x 213 mm	154 x 246 x 213 mm
Weight	3.7 kg	3.7 kg

S-ES3TB

SPECIFICATIONS	Front Speakers	Surround Speakers	Center Speaker
Enclosure	Bass-Reflex Floor-Standing Type	Bass-Reflex Bookshelf Type	Bass-Reflex Bookshelf Type
Drivers			
Woofer	16 cm Cone	—	—
Midrange	7.7 cm Cone	—	—
Tweeter	2.6 cm Semi-Dome	—	—
Speakers	—	10 cm Cone	10 cm Cone (x2)
Frequency Range	40–30,000 Hz	50–20,000 Hz	50–20,000 Hz
Impedance	8 Ω	8 Ω	8 Ω
Sensitivity	83 dB	81.5 dB	88 dB
Maximum Power	150 W	120 W	120 W
Magnetically shielded		—	•
Dimensions (W x H x D)	220 x 980 x 249 mm	180 x 130 x 162 mm	350 x 130 x 162 mm
Weight	10 kg	1.3 kg	2.5 kg

Digital Speaker Systems for iPod

	XW-NAS5	XW-NAS3	XW-NAC3
MAIN SPECIFICATIONS			
Speakers	2.6 cm Tweeter (×2) / 5.2 cm Midrange (×2) / 10 cm Subwoofer (×1)	5.2 cm Full Range (×2) / 10 cm Subwoofer (×1)	6.6 cm Full Range (×2) / 7.7 cm Passive Radiator (×2)
Power	15 + 15 W Front L/R, 30 W RMS Subwoofer	15 + 15 W Front L/R, 30 W RMS Subwoofer	10 + 10 W RMS
AMP	2.1-ch Digital AMP	2.1-ch Digital AMP	2-ch Digital AMP
Status Display / LED Indicators	7 segment LED / •	— / •	LCD blue / •
CONNECTIVITY & MEDIA			
iPod	Made for iPod – digital	Made for iPod – digital	Made for iPod
iPhone	Made for iPhone[1]	Made for iPhone[1]	Made for iPhone
Bluetooth® Wireless Technology	ready*	ready*	built-in
HDMI[2]	—	—	—
USB	—	—	MP3/WMA/WAV/ FLAC/MPEG-4AAC
DVD/CD	—	—	—
Internet Radio	—	—	• (vTuner) – MP3/WMA
DLNA 1.5	—	—	MP3/WMA/WAV/ FLAC/MPEG-4AAC/LPCM (stream)
SOUND CONTROL/DSP MODES			
Advanced Sound Retriever	•	—	•
Sound Retriever AIR (*Bluetooth*® Wireless Technology)	—	—	•
Auto Level Control	•	—	•
Virtual Surround	—	—	—
Vivid Bass	•	—	•
Lo-Fi	•	—	•
Bass/Treble	•	• (through iPod)	•
Intelligent Loudness	•	—	—
Dynamic Range Control	•	•	—
Soundscapes	•	—	—
OTHERS			
Available Colours	4: silver/black/ red/white	white	3: black/white/red
Tuner	FM	—	—
Clock	•	—	•[3]
Timer	wake-up/sleep	—	wake-up/sleep
Shuffle[2]	—	—	•
Hi-Lite Scan	—	—	•
CD→USB Ripping (MP3)	—	—	—
Dolby Digital	—	—	—
TERMINALS			
Bluetooth® Adapter Port	•[4]	•[4]	• (*Bluetooth*® adapter built-in)
HDMI Output	—	—	—
iPod	•	•	• (2x)
USB	—	—	—
Audio Input	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
Ethernet (for DLNA & Internet Radio)	—	—	•
Component Video Output	•	•	—
Composite Video Output	•	•	•
Audio Output	—	—	—
GENERAL			
Dimensions (W x H x D)	420 x 148 x 210 mm	420 x 148 x 210 mm	410 x 135 x 153 mm
Weight	5.0 kg	5.0 kg	2.9 kg
Power Consumption (in use/standby)	30 W / 0.5 W [5]	30 W / 0.5 W	24 W / 0.5 W
Power Requirements	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz

[1] Only recent production models are certified. Please look for the logo on the packaging.

[2] DVD only

[3] not shown in standby mode

[4] optional Pioneer AS-BT100 adapter available

[5] 1.0 W when Timer ON

*The *Bluetooth*® wireless technology-enabled device must support the A2DP profile (Advanced Audio Distribution Profile). It must also support the AVRCP profile (Audio/Video Remote Control Profile) when using remote control functionalities. Remote control functionalities cannot be guaranteed for all *Bluetooth*® wireless technology-enabled devices.

XW-NAC1	XW-NAV1	XW-NAW1
6.6 cm Full Range (×2) / 7.7 cm Passive Radiator (×2)	6.6 cm Full Range (×2) / 7.7 cm Passive Radiator (×2)	7.6 cm Full Range (×2) / 1.3 cm Tweeter (×2)
10 + 10 W RMS	10 + 10 W RMS	15 + 15 W RMS
2-ch Digital AMP	2-ch Digital AMP	2-ch Digital AMP
— / •	7 Segment LED / •	— / •
Made for iPod	Made for iPod	Made for iPod
Made for iPhone	Made for iPhone	Made for iPhone
built-in	—	—
—	1080p upscaling[2]	—
—	MP3/JPEG/WMA/DivX	—
—	DVD-Video/Audio-CD/ Video-CD/MP3/JPEG/ WMA/DivX	—
—	—	—
—	—	—
•	—	—
•	—	—
—	—	—
—	•	—
—	—	—
—	•	—
—	—	—
—	—	—
black	white with black speaker cloth black with black speaker cloth (XW-NAV1K)	black
—	FM	—
—	•[3]	—
sleep	wake-up/sleep	—
•	—	—
•	•	—
—	—	—
—	•	—
• (Bluetooth® adapter built-in)	—	—
—	•[2]	—
• (2x)	•	—
—	•	—
Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
—	—	—
—	—	•
•	•	—
—	• (2x RCA)	• (2x RCA)
410 x 135 x 153 mm	370 x 216 x 175 mm	520 x 281 x 83 mm
2.8 kg	3.5 kg	3.3 kg
17 W / 0.5 W	20 W / 0.5 W	AC adapter: DC 16 V/2.25 A
AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz	AC 220–240 V, 50/60 Hz

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GREAT BRITAIN:
Pioneer GB Limited
Pioneer House
Hollybush Hill
Stoke Poges, Slough
Buckinghamshire SSL2 4QP
Tel.: +44 1753 789 789
www.pioneer.co.uk

IRELAND:
AUDIO VISION IMPORT
Acoustic House
John F.Kennedy Drive
Naas Road, Dublin 12
Tel.: +353 1 240 5600
info@avi.ie
www.ie.pioneer.eu

ICELAND:
BRÆDURNIR ORMSSON HF
Lágmúli 8, P.O. Box 8760,
128 Reykjavik
Tel.: +354 55 32 800
Info & Service:
bragi@ormsson.is
www.ormsson.is

MALTA:
DORELL TRADING LIMITED
Standard Bldgs.
C. De Brockdorff Street
Msida, MSD-02
Tel.: +356 27 33 38 61
Info & Service: info@directsales.com.mt
www.pioneer.com.mt

ESPAÑA:
PIONEER ELECTRONICS IBÉRICA, S.A.
Avda. Salvatella, 122
"Polígono Can Salvatella"
08210 Barberà del Vallès (Barcelona)
Tel.: +34 (0)93 739 99 00
Fax: +34 (0)93 729 54 73
e-mail: pioneer@pioneer.es
www.pioneer.es

NORTH CYPRUS:
GAYEM ELECTRONICS LTD.
1 Cadde No. 27 A,
Organize Sanayi Bolgesi
Lefkosa, Mersin-10
Tel.: +90 392 225 6555
Fax: +90 392 225 6550
e-mail: info@gayem.com
www.pioneer-ncy.com

SLOVENIA:
PRIMALINE d.o.o.
Celovska. 280
1000 Ljubljana
Tel.: +386 15 103 140
Fax: +386 15 103 145
e-mail: info@primaline.si
www.pioneer.si

ESTONIA:
DIGISOUND OÜ
Kanali tee 12
10112 Tallinn
Tel.: +372 60 33 990
Info: info@digisound.ee

ROMANIA:
SUN AUDIO ELECTRONICS SRL
Calea Bucuresti nr. 68
Ciorogârla
Jud. Ilfov
Tel.: +40 21 222 14 28
Fax: +40 21 222 14 30
e-mail: office@pioneer.com.ro
www.ro.pioneer.eu

SERBIA:
STAV d.o.o.
Mala Pruga b.b.
11080 Belgrade
Tel.: +381 11 371 33 00
Fax: +381 11 371 33 27
e-mail: office@stav.rs

CROATIA :
HELIKOP d.o.o.
Donje Svetice 40
10000 Zagreb
Tel.: +385 1 2314-555
Fax: +385 1 2316-555
e-mail: helikop@helikop.hr
www.hr.pioneer.eu

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UKAS
ENVIRONMENTAL
MANAGEMENT
001

Pioneer